GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-JUL-2009
Start Time of First Product	00:00:32
Stop Time of Last Product	22:13:08
Number of EGOI Products analysed	38
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090715BEEP0202.E2	15-JUL-2009	02:13:38.598
EGOI_090715BEEP0208.E2	15-JUL-2009	03:52:48.199
EGOI_090715GSEP4563.E2	15-JUL-2009	01:47:57.945
EGOI_090715GSEP4591.E2	15-JUL-2009	03:26:10.539
EGOI_090715GSEP4601.E2	15-JUL-2009	05:08:57.664
EGOI_090715HLEP2182.E2	15-JUL-2009	00:56:35.132
EGOI_090715HLEP2190.E2	15-JUL-2009	11:28:50.973
EGOI_090715HLEP2200.E2	15-JUL-2009	14:47:11.681
EGOI_090715HLEP2207.E2	15-JUL-2009	22:46:55.088

EGOI_090715KSEP5943.E2	15-JUL-2009	07:07:34.385
EGOI_090715KSEP5975.E2	15-JUL-2009	08:47:31.995
EGOI_090715KSEP6001.E2	15-JUL-2009	10:27:13.102
EGOI_090715KSEP6026.E2	15-JUL-2009	12:06:39.204
EGOI_090715KSEP6045.E2	15-JUL-2009	13:45:38.302
EGOI_090715KSEP6073.E2	15-JUL-2009	15:24:08.901
EGOI_090715KSEP6105.E2	15-JUL-2009	17:01:36.492
EGOI_090715KSEP6140.E2	15-JUL-2009	18:39:34.090
EGOI_090715KSEP6170.E2	15-JUL-2009	20:18:33.193
EGOI_090715KSEP6201.E2	15-JUL-2009	21:59:56.302
EGOI_090715KSEP6227.E2	15-JUL-2009	23:43:49.437
EGOI_090715MAEP1680.E2	15-JUL-2009	08:55:45.546
EGOI_090715MAEP1690.E2	15-JUL-2009	10:34:41.645
EGOI_090715MAEP1706.E2	15-JUL-2009	20:12:37.654
EGOI_090715MIEP4157.E2	15-JUL-2009	01:47:11.435
EGOI_090715MIEP4166.E2	15-JUL-2009	15:41:45.007
EGOI_090715MMEP5759.E2	15-JUL-2009	04:30:51.431
EGOI_090715MMEP5776.E2	15-JUL-2009	12:55:13.996
EGOI_090715MMEP5784.E2	15-JUL-2009	14:34:52.099
EGOI_090715MMEP5791.E2	15-JUL-2009	16:14:31.706
EGOI_090715MMEP5798.E2	15-JUL-2009	17:54:35.312
EGOI_090715MMEP5805.E2	15-JUL-2009	19:33:10.411
EGOI_090715MMEP5812.E2	15-JUL-2009	21:12:33.517
EGOI_090715MMEP5820.E2	15-JUL-2009	22:52:32.623
EGOI_090715MSEP0380.E2	15-JUL-2009	00:00:31.796
EGOI_090715MSEP0402.E2	15-JUL-2009	10:41:14.684
EGOI_090715MSEP0421.E2	15-JUL-2009	12:19:55.786
EGOI_090715MSEP0448.E2	15-JUL-2009	21:51:15.755
EGOI_090715MSEP0477.E2	15-JUL-2009	23:28:49.347
EGOI_090715SGEP8356.E2	15-JUL-2009	02:31:19.207
EGOI_090715SGEP8364.E2	15-JUL-2009	04:12:30.320
EGOI_090715SGEP8378.E2	15-JUL-2009	14:59:10.247
EGOI_090715SGEP8386.E2	15-JUL-2009	16:40:15.363

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74423	15-JUL-2009	07:05:36.097	07:07:34.384	118.28700
KS	74424	15-JUL-2009	08:45:04.029	08:47:31.994	147.96500
KS	74425	15-JUL-2009	10:24:41.538	10:27:13.102	151.56400
KS	74426	15-JUL-2009	12:04:08.028	12:06:39.204	151.17600
KS	74427	15-JUL-2009	13:43:05.162	13:45:38.301	153.13900
KS	74428	15-JUL-2009	15:21:17.209	15:24:08.900	171.69100

KS	74429	15-JUL-2009	16:58:59.508	17:01:36.492	156.98400
KS	74430	15-JUL-2009	18:37:05.777	18:39:34.090	148.31300
KS	74431	15-JUL-2009	20:16:29.415	20:18:33.193	123.77800
KS	74432	15-JUL-2009	21:57:50.193	21:59:56.302	126.10900
GS	74420	15-JUL-2009	01:45:35.224	01:47:57.944	142.72000
GS	74421	15-JUL-2009	03:24:10.991	03:26:10.539	119.54800
MS	74419	14-JUL-2009	23:58:14.330	00:00:31.796	137.46600
MS	74425	15-JUL-2009	10:38:37.293	10:41:14.684	157.39100
MS	74426	15-JUL-2009	12:17:16.658	12:19:55.786	159.12800
MS	74432	15-JUL-2009	21:49:11.632	21:51:15.754	124.12200
MA	74424	15-JUL-2009	08:54:11.251	08:55:45.545	94.294000
MA	74425	15-JUL-2009	10:32:42.186	10:34:41.645	119.45900
MA	74431	15-JUL-2009	20:09:12.495	20:12:37.653	205.15800
MI	74420	15-JUL-2009	01:45:14.919	01:47:11.434	116.51500
MI	74428	15-JUL-2009	15:39:19.715	15:41:45.006	145.29100
MM	74426	15-JUL-2009	12:53:38.761	12:55:13.996	95.235000
MM	74427	15-JUL-2009	14:33:18.261	14:34:52.099	93.838000
MM	74428	15-JUL-2009	16:12:41.432	16:14:31.706	110.27400
MM	74429	15-JUL-2009	17:51:51.581	17:54:35.311	163.73000
MM	74430	15-JUL-2009	19:31:02.103	19:33:10.411	128.30800
MM	74431	15-JUL-2009	21:10:35.215	21:12:33.516	118.30100
BE	74420	15-JUL-2009	02:10:57.737	02:13:38.597	160.86000
BE	74421	15-JUL-2009	03:50:14.233	03:52:48.199	153.96600
SG	74420	15-JUL-2009	02:23:20.995	02:31:19.207	478.21200
SG	74421	15-JUL-2009	04:01:15.267	04:12:30.319	675.05200
SG	74421	15-JUL-2009	04:01:15.267	04:12:30.319	675.05200
SG	74427	15-JUL-2009	14:56:46.181	14:59:10.246	144.06500
SG	74428	15-JUL-2009	16:37:24.527	16:40:15.363	170.83600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74419	15-JUL-2009	01:04:16.751	01:14:42.119	625.36800
KS	74419	15-JUL-2009	00:15:56.863	00:19:32.903	216.04000
MM	74420	15-JUL-2009	02:46:56.907	02:55:07.404	490.49700
MI	74421	15-JUL-2009	03:19:06.985	03:32:27.261	800.27600

CM	74421	15-JUL-2009	03:18:57.505	03:29:54.054	656.54900
CM	74421	15-JUL-2009	04:58:23.555	05:08:49.795	626.24000
MM	74422	15-JUL-2009	06:12:14.185	06:18:23.995	369.81000
MI	74422	15-JUL-2009	05:01:47.048	05:09:04.098	437.05000
MM	74423	15-JUL-2009	07:53:12.605	08:01:29.162	496.55700
JO	74423	15-JUL-2009	07:30:53.766	07:44:57.937	844.17100
MM	74424	15-JUL-2009	09:33:36.708	09:44:06.961	630.25300
JO	74424	15-JUL-2009	09:10:26.652	09:23:57.943	811.29100
MM	74425	15-JUL-2009	11:13:44.457	11:25:43.837	719.38000
HO	74426	15-JUL-2009	13:02:13.507	13:17:02.596	889.08900
GS	74427	15-JUL-2009	13:56:17.563	14:03:15.775	418.21200
BE	74428	15-JUL-2009	15:07:33.916	15:19:31.354	717.43800
GS	74428	15-JUL-2009	15:33:22.883	15:47:08.692	825.80900
CM	74428	15-JUL-2009	15:42:41.745	15:53:45.108	663.36300
MI	74429	15-JUL-2009	17:20:00.267	17:29:32.532	572.26500
GS	74429	15-JUL-2009	17:13:10.799	17:25:24.600	733.80100
CM	74429	15-JUL-2009	17:22:10.174	17:32:29.888	619.71400
JO	74430	15-JUL-2009	19:50:58.879	20:04:27.260	808.38100
JO	74431	15-JUL-2009	21:29:56.934	21:44:03.154	846.22000
MA	74432	15-JUL-2009	21:49:57.482	22:01:35.403	697.92100

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1.5 - List of corrupted products

Station	Orbit	Time
MS	74425	10:52:23.754

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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

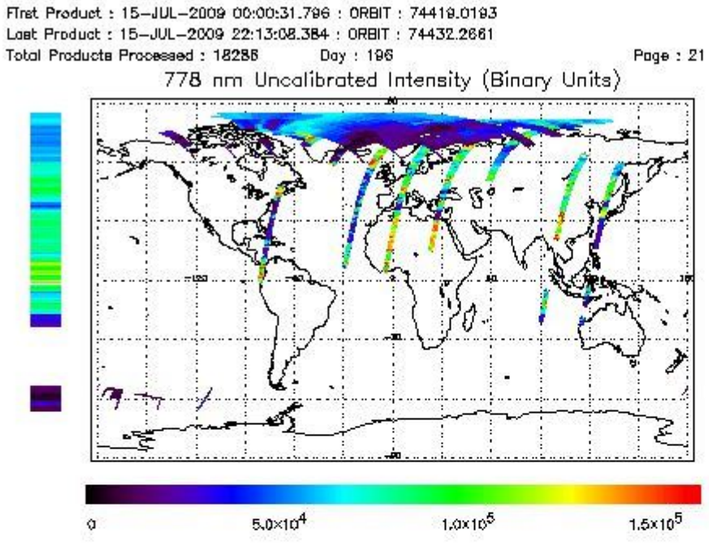
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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)

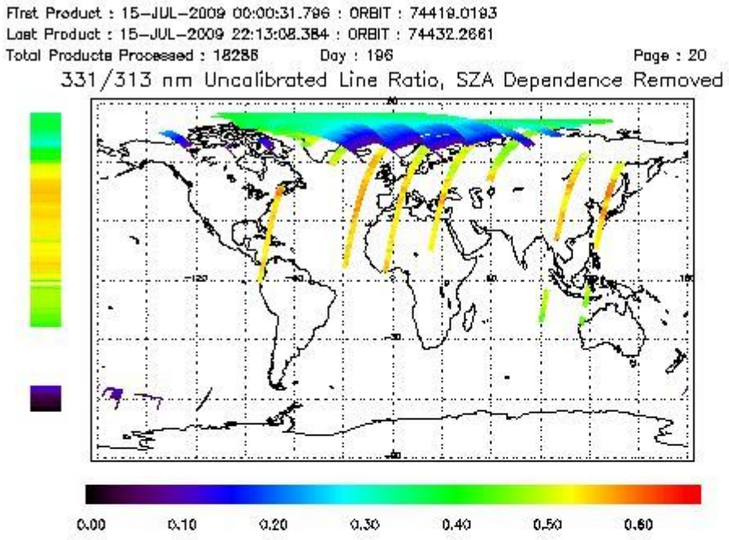
2.2 - Daily Plots

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

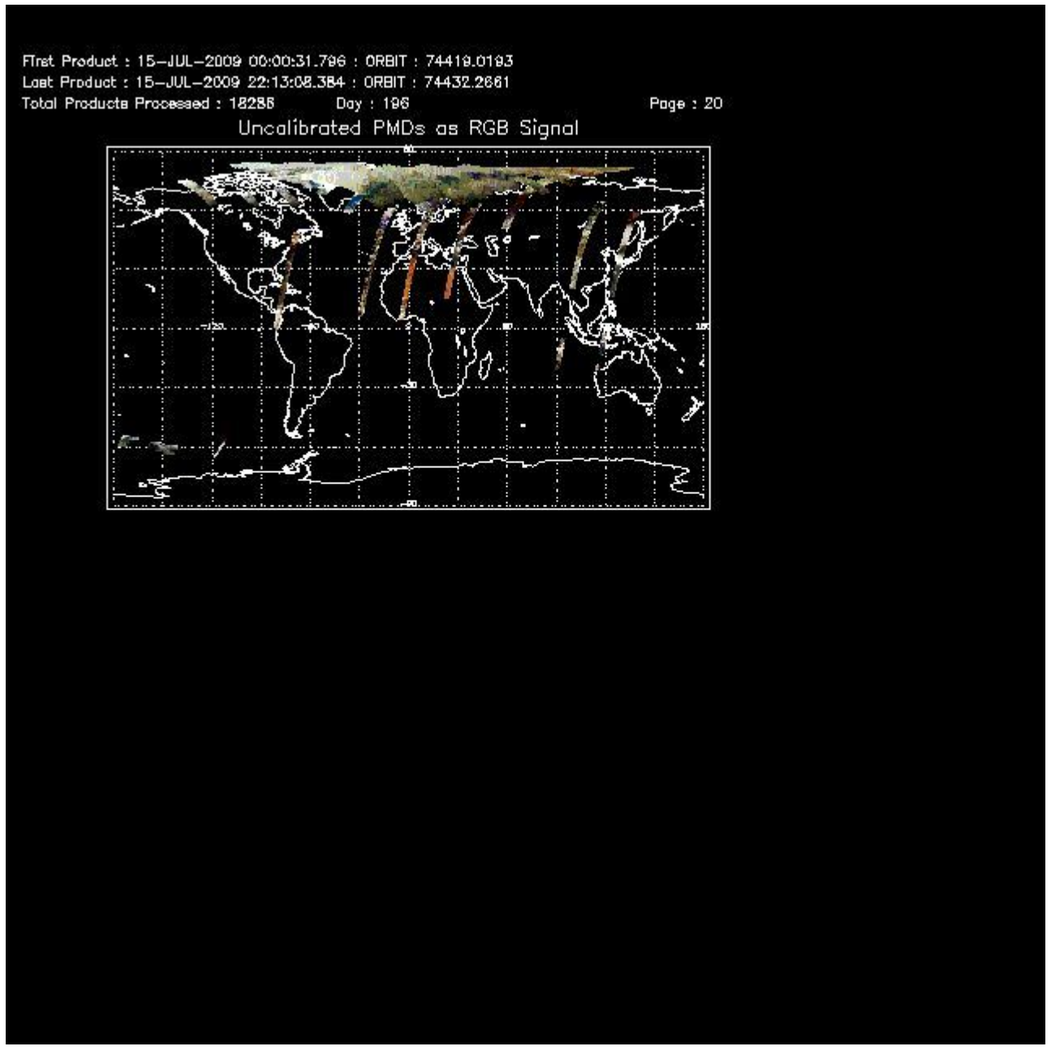
NEAR IR Intensity



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	17:01:49.990	--	74429	Y	--	14520

(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
19:00	17:00	74416	74429

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