GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-JUL-2009
Start Time of First Product	00:06:21
Stop Time of Last Product	23:47:58
Number of EGOI Products analysed	44
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090718BEEP0221.E2	18-JUL-2009	03:58:30.960
EGOI_090718GSEP4757.E2	18-JUL-2009	01:52:55.702
EGOI_090718GSEP4786.E2	18-JUL-2009	03:31:48.800
EGOI_090718GSEP4796.E2	18-JUL-2009	05:14:46.425
EGOI_090718HLEP2315.E2	18-JUL-2009	01:02:25.393
EGOI_090718HLEP2324.E2	18-JUL-2009	22:52:25.841
EGOI_090718KSEP6776.E2	18-JUL-2009	07:13:15.642
EGOI_090718KSEP6799.E2	18-JUL-2009	08:53:14.749
EGOI_090718KSEP6825.E2	18-JUL-2009	10:32:54.355

EGOI_090718KSEP6859.E2	18-JUL-2009	12:12:18.961
EGOI_090718KSEP6875.E2	18-JUL-2009	13:51:18.063
EGOI_090718KSEP6903.E2	18-JUL-2009	15:29:42.657
EGOI_090718KSEP6925.E2	18-JUL-2009	17:07:10.253
EGOI_090718KSEP6958.E2	18-JUL-2009	18:45:10.843
EGOI_090718KSEP6984.E2	18-JUL-2009	20:24:14.445
EGOI_090718KSEP7015.E2	18-JUL-2009	22:05:57.064
EGOI_090718MAEP1805.E2	18-JUL-2009	09:01:17.800
EGOI_090718MAEP1815.E2	18-JUL-2009	10:40:22.898
EGOI_090718MAEP1830.E2	18-JUL-2009	20:18:09.906
EGOI_090718MIEP4374.E2	18-JUL-2009	01:52:09.194
EGOI_090718MIEP4394.E2	18-JUL-2009	03:29:11.285
EGOI_090718MIEP4414.E2	18-JUL-2009	05:10:17.898
EGOI_090718MIEP4423.E2	18-JUL-2009	15:47:20.263
EGOI_090718MIEP4446.E2	18-JUL-2009	17:28:23.878
EGOI_090718MMEP5951.E2	18-JUL-2009	02:54:03.569
EGOI_090718MMEP5959.E2	18-JUL-2009	04:36:46.199
EGOI_090718MMEP5967.E2	18-JUL-2009	06:18:57.312
EGOI_090718MMEP5975.E2	18-JUL-2009	08:00:14.428
EGOI_090718MMEP5983.E2	18-JUL-2009	09:40:52.542
EGOI_090718MMEP5992.E2	18-JUL-2009	13:00:56.758
EGOI_090718MMEP6000.E2	18-JUL-2009	14:40:25.861
EGOI_090718MMEP6007.E2	18-JUL-2009	16:20:17.468
EGOI_090718MMEP6014.E2	18-JUL-2009	18:00:19.569
EGOI_090718MMEP6023.E2	18-JUL-2009	21:18:22.275
EGOI_090718MMEP6031.E2	18-JUL-2009	22:58:22.884
EGOI_090718MSEP0716.E2	18-JUL-2009	00:06:20.553
EGOI_090718MSEP0738.E2	18-JUL-2009	10:46:42.437
EGOI_090718MSEP0760.E2	18-JUL-2009	12:25:38.543
EGOI_090718MSEP0789.E2	18-JUL-2009	21:56:34.509
EGOI_090718MSEP0814.E2	18-JUL-2009	23:35:23.104
EGOI_090718SGEP8458.E2	18-JUL-2009	02:30:48.428
EGOI_090718SGEP8467.E2	18-JUL-2009	04:09:29.527
EGOI_090718SGEP8474.E2	18-JUL-2009	15:15:14.071
EGOI_090718SGEP8480.E2	18-JUL-2009	16:50:07.151

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74466	18-JUL-2009	07:11:16.173	07:13:15.642	119.46900
KS	74467	18-JUL-2009	08:50:45.600	08:53:14.748	149.14800
KS	74468	18-JUL-2009	10:30:22.936	10:32:54.355	151.41900
KS	74469	18-JUL-2009	12:09:48.275	12:12:18.961	150.68600

KS	74470	18-JUL-2009	13:48:43.190	13:51:18.062	154.87200
KS	74471	18-JUL-2009	15:26:52.610	15:29:42.656	170.04600
KS	74472	18-JUL-2009	17:04:34.640	17:07:10.252	155.61200
KS	74473	18-JUL-2009	18:42:44.050	18:45:10.842	146.79200
KS	74474	18-JUL-2009	20:22:13.380	20:24:14.444	121.06400
KS	74475	18-JUL-2009	22:03:42.046	22:05:57.063	135.01700
KS	74476	18-JUL-2009	23:48:06.102	23:49:45.694	99.592000
GS	74463	18-JUL-2009	01:51:06.167	01:52:55.701	109.53400
GS	74464	18-JUL-2009	03:29:57.217	03:31:48.800	111.58300
MS	74462	18-JUL-2009	00:04:07.178	00:06:20.552	133.37400
MS	74468	18-JUL-2009	10:44:06.299	10:46:42.437	156.13800
MS	74469	18-JUL-2009	12:23:00.975	12:25:38.542	157.56700
MS	74475	18-JUL-2009	21:54:32.068	21:56:34.509	122.44100
MS	74476	18-JUL-2009	23:32:05.795	23:35:23.103	197.30800
MA	74467	18-JUL-2009	08:59:58.637	09:01:17.800	79.163000
MA	74468	18-JUL-2009	10:38:24.000	10:40:22.897	118.89700
MA	74474	18-JUL-2009	20:14:47.162	20:18:09.906	202.74400
MI	74463	18-JUL-2009	01:50:00.768	01:52:09.193	128.42500
MI	74464	18-JUL-2009	03:24:45.761	03:29:11.284	265.52300
MI	74465	18-JUL-2009	05:08:10.369	05:10:17.897	127.52800
MI	74471	18-JUL-2009	15:44:57.452	15:47:20.262	142.81000
MI	74472	18-JUL-2009	17:25:57.649	17:28:23.877	146.22800
MM	74463	18-JUL-2009	02:52:50.239	02:54:03.569	73.330000
MM	74466	18-JUL-2009	07:58:57.475	08:00:14.428	76.953000
MM	74467	18-JUL-2009	09:39:20.383	09:40:52.541	92.158000
MM	74469	18-JUL-2009	12:59:20.864	13:00:56.758	95.894000
MM	74470	18-JUL-2009	14:38:59.458	14:40:25.861	86.403000
MM	74471	18-JUL-2009	16:18:21.715	16:20:17.468	115.75300
MM	74472	18-JUL-2009	17:57:31.422	18:00:19.568	168.14600
MM	74474	18-JUL-2009	21:16:17.710	21:18:22.274	124.56400
MM	74475	18-JUL-2009	22:56:39.110	22:58:22.883	103.77300
BE	74464	18-JUL-2009	03:55:58.945	03:58:30.960	152.01500
SG	74463	18-JUL-2009	02:28:42.789	02:30:48.428	125.63900
SG	74464	18-JUL-2009	04:07:03.378	04:09:29.526	146.14800
SG	74464	18-JUL-2009	04:16:58.073	04:19:55.306	177.23300
SG	74471	18-JUL-2009	16:43:27.275	16:50:07.150	399.87500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74462	18-JUL-2009	01:10:07.273	01:20:25.892	618.61900
KS	74462	18-JUL-2009	00:22:22.250	00:24:51.688	149.43800
BE	74463	18-JUL-2009	02:16:33.577	02:29:09.378	755.80100
CM	74464	18-JUL-2009	03:24:25.501	03:35:43.190	677.68900
CM	74464	18-JUL-2009	05:04:20.722	05:14:15.472	594.75000
JO	74466	18-JUL-2009	07:36:25.378	07:50:43.344	857.96600
JO	74467	18-JUL-2009	09:16:19.944	09:29:29.168	789.22400
MM	74468	18-JUL-2009	11:19:27.354	11:31:30.248	722.89400
HO	74470	18-JUL-2009	14:48:25.320	14:58:21.870	596.55000
GS	74470	18-JUL-2009	14:01:36.446	14:09:31.191	474.74500
BE	74471	18-JUL-2009	15:13:27.413	15:25:05.069	697.65600
GS	74471	18-JUL-2009	15:39:02.484	15:52:52.731	830.24700
CM	74471	18-JUL-2009	15:48:12.409	15:59:36.668	684.25900
GS	74472	18-JUL-2009	17:18:55.844	17:30:53.402	717.55800
CM	74472	18-JUL-2009	17:28:03.521	17:37:52.547	589.02600
MM	74473	18-JUL-2009	19:36:42.585	19:49:23.706	761.12100
JO	74473	18-JUL-2009	19:56:31.192	20:10:19.131	827.93900
JO	74474	18-JUL-2009	21:35:43.013	21:49:33.650	830.63700
MA	74475	18-JUL-2009	21:55:51.158	22:07:08.377	677.21900

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time
GS	74465	05:14:53.925

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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

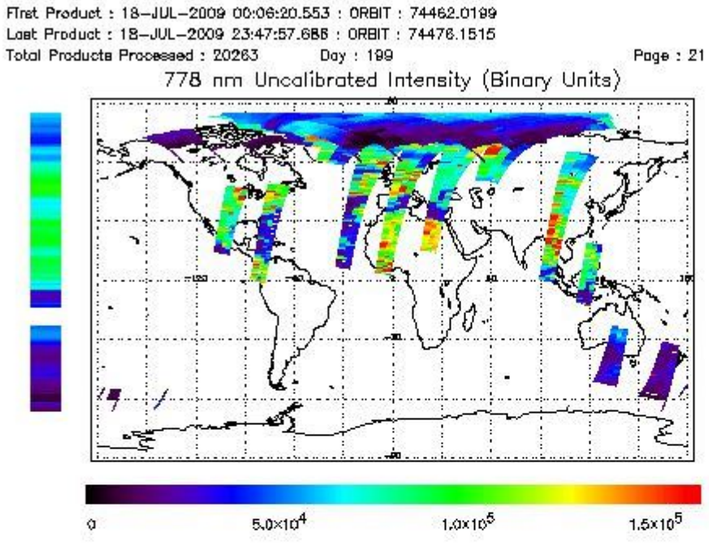
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	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)

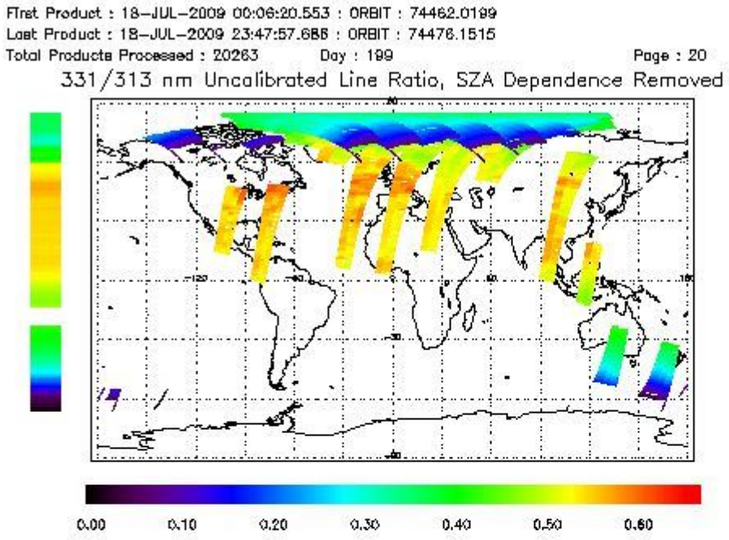
2.2 - Daily Plots

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

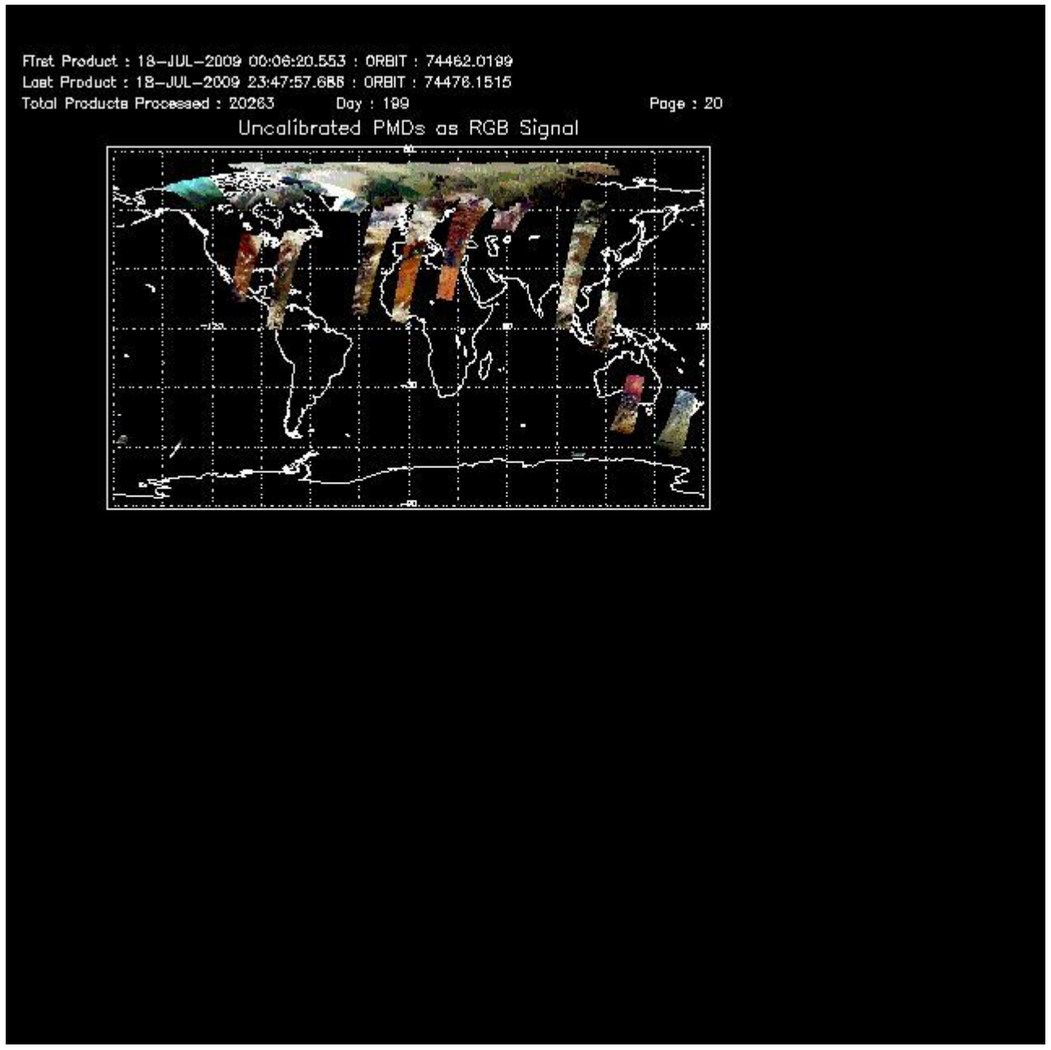
NEAR IR Intensity



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	18:48:16.860	--	74473	--	--	14650

(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