GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-JUL-2009
Start Time of First Product	23:42:16 (10 JUL)
Stop Time of Last Product	23:23:22
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	long science dump over HL, orbit 74368, time interval: 11:57:28-12:04:23

1.2 - List of received products

Name	Date	Time
EGOI_090711BEEP0187.E2	11-JUL-2009	04:18:42.073
EGOI_090711GSEP4292.E2	11-JUL-2009	02:12:20.308
EGOI_090711GSEP4320.E2	11-JUL-2009	03:52:19.409
EGOI_090711GSEP4329.E2	11-JUL-2009	05:34:53.030
EGOI_090711HLEP2023.E2	10-JUL-2009	23:42:16.392
EGOI_090711HLEP2031.E2	11-JUL-2009	01:22:59.002
EGOI_090711HLEP2038.E2	11-JUL-2009	11:53:38.834
EGOI_090711HLEP2045.E2	11-JUL-2009	13:32:27.430
EGOI_090711HLEP2055.E2	11-JUL-2009	15:13:29.544

EGOI_090711HLEP2063.E2	11-JUL-2009	21:38:37.879
EGOI_090711HLEP2070.E2	11-JUL-2009	23:11:38.443
EGOI_090711KSEP4855.E2	11-JUL-2009	07:33:08.752
EGOI_090711KSEP4877.E2	11-JUL-2009	09:13:07.857
EGOI_090711KSEP4902.E2	11-JUL-2009	10:52:47.459
EGOI_090711KSEP4931.E2	11-JUL-2009	12:32:07.565
EGOI_090711KSEP4944.E2	11-JUL-2009	14:11:05.168
EGOI_090711KSEP4973.E2	11-JUL-2009	15:48:58.259
EGOI_090711KSEP5001.E2	11-JUL-2009	17:26:51.353
EGOI_090711KSEP5036.E2	11-JUL-2009	19:04:42.948
EGOI_090711KSEP5070.E2	11-JUL-2009	20:44:25.554
EGOI_090711KSEP5095.E2	11-JUL-2009	22:26:18.672
EGOI_090711MIEP3754.E2	11-JUL-2009	02:10:17.296
EGOI_090711MIEP3776.E2	11-JUL-2009	03:47:02.878
EGOI_090711MIEP3797.E2	11-JUL-2009	14:30:35.282
EGOI_090711MIEP3813.E2	11-JUL-2009	16:07:07.368
EGOI_090711MIEP3831.E2	11-JUL-2009	17:49:31.990
EGOI_090711MSEP0007.E2	11-JUL-2009	22:15:26.102
EGOI_090711MSEP9930.E2	11-JUL-2009	00:27:13.670
EGOI_090711MSEP9953.E2	11-JUL-2009	11:06:02.541
EGOI_090711MSEP9980.E2	11-JUL-2009	12:45:45.147
EGOI_090711SGEP8267.E2	11-JUL-2009	02:49:47.530
EGOI_090711SGEP8276.E2	11-JUL-2009	04:29:33.140

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74366	11-JUL-2009	07:31:07.812	07:33:08.751	120.93900
KS	74367	11-JUL-2009	09:10:41.216	09:13:07.857	146.64100
KS	74368	11-JUL-2009	10:50:17.505	10:52:47.458	149.95300
KS	74369	11-JUL-2009	12:29:38.331	12:32:07.564	149.23300
KS	74370	11-JUL-2009	14:08:31.233	14:11:05.168	153.93500
KS	74371	11-JUL-2009	15:46:25.764	15:48:58.258	152.49400
KS	74372	11-JUL-2009	17:24:18.515	17:26:51.353	152.83800
KS	74373	11-JUL-2009	19:02:30.152	19:04:42.947	132.79500
KS	74374	11-JUL-2009	20:42:20.350	20:44:25.554	125.20400
KS	74375	11-JUL-2009	22:24:17.859	22:26:18.671	120.81200
GS	74363	11-JUL-2009	02:10:39.721	02:12:20.308	100.58700
GS	74364	11-JUL-2009	03:50:17.157	03:52:19.409	122.25200
MS	74375	11-JUL-2009	22:13:29.080	22:15:26.102	117.02200
MS	74362	11-JUL-2009	00:24:58.332	00:27:13.670	135.33800

MS	74368	11-JUL-2009	11:03:28.050	11:06:02.540	154.49000
MS	74369	11-JUL-2009	12:43:10.564	12:45:45.147	154.58300
MS	74376	11-JUL-2009	23:52:23.173	23:54:37.203	134.03000
MI	74363	11-JUL-2009	02:07:55.231	02:10:17.296	142.06500
MI	74364	11-JUL-2009	03:44:41.308	03:47:02.878	141.57000
MI	74370	11-JUL-2009	14:28:29.536	14:30:35.282	125.74600
MI	74371	11-JUL-2009	16:04:46.281	16:07:07.367	141.08600
MI	74372	11-JUL-2009	17:47:23.316	17:49:31.989	128.67300
BE	74364	11-JUL-2009	04:16:09.710	04:18:42.073	152.36300
SG	74363	11-JUL-2009	02:47:47.170	02:49:47.529	120.35900
SG	74364	11-JUL-2009	04:27:34.918	04:29:33.139	118.22100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74361	10-JUL-2009	23:48:39.231	00:00:17.455	698.22400
MM	74362	11-JUL-2009	01:30:35.678	01:40:29.527	593.84900
GS	74362	11-JUL-2009	00:35:33.459	00:42:46.612	433.15300
BE	74363	11-JUL-2009	02:36:14.396	02:49:24.767	790.37100
MM	74363	11-JUL-2009	03:13:27.491	03:21:01.095	453.60400
CM	74363	11-JUL-2009	03:43:47.132	03:55:54.805	727.67300
MM	74364	11-JUL-2009	04:56:26.716	05:02:17.522	350.80600
MM	74365	11-JUL-2009	06:38:17.453	06:44:53.259	395.80600
KS	74365	11-JUL-2009	05:52:41.826	05:56:43.245	241.41900
CM	74365	11-JUL-2009	05:25:39.730	05:32:48.298	428.56800
JO	74365	11-JUL-2009	06:22:01.993	06:28:01.963	359.97000
MM	74366	11-JUL-2009	08:19:03.786	08:27:57.326	533.54000
JO	74366	11-JUL-2009	07:55:55.594	08:10:46.583	890.98900
MM	74367	11-JUL-2009	09:59:22.861	10:10:21.008	658.14700
MA	74367	11-JUL-2009	09:19:00.978	09:32:20.896	799.91800
JO	74367	11-JUL-2009	09:37:12.118	09:48:35.832	683.71400
MM	74368	11-JUL-2009	11:39:27.153	11:51:41.052	733.89900
MA	74368	11-JUL-2009	10:58:49.003	11:09:17.272	628.26900
MM	74369	11-JUL-2009	13:19:17.842	13:32:00.095	762.25300
MM	74370	11-JUL-2009	14:58:53.217	15:11:33.848	760.63100
GS	74370	11-JUL-2009	14:20:37.971	14:30:54.261	616.29000

SG	74370	11-JUL-2009	15:21:58.719	15:35:51.288	832.56900
BE	74371	11-JUL-2009	15:34:18.814	15:44:23.438	604.62400
MM	74371	11-JUL-2009	16:38:12.364	16:50:44.787	752.42300
GS	74371	11-JUL-2009	15:58:53.796	16:12:49.829	836.03300
CM	74371	11-JUL-2009	16:07:41.542	16:19:53.177	731.63500
MM	74372	11-JUL-2009	18:17:20.903	18:29:54.886	753.98300
GS	74372	11-JUL-2009	17:39:06.796	17:49:56.265	649.46900
CM	74372	11-JUL-2009	17:49:02.210	17:56:15.841	433.63100
MM	74373	11-JUL-2009	19:56:34.920	20:09:17.543	762.62300
MA	74373	11-JUL-2009	19:00:51.428	19:05:59.760	308.33200
JO	74373	11-JUL-2009	20:16:02.665	20:30:39.247	876.58200
MM	74374	11-JUL-2009	21:36:17.671	21:48:56.673	759.00200
MA	74374	11-JUL-2009	20:34:25.643	20:48:06.170	820.52700
JO	74374	11-JUL-2009	21:56:01.259	22:08:39.123	757.86400
MM	74375	11-JUL-2009	23:16:50.463	23:28:50.808	720.34500
MA	74375	11-JUL-2009	22:17:25.166	22:26:22.701	537.53500

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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

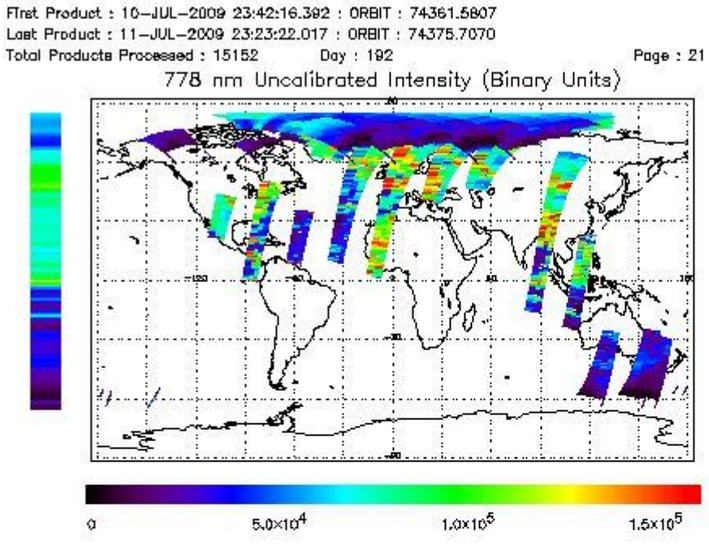
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	Ok
Selected Temperature C	OK
Channel 1 Summation	anomalous values due long science dump
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)

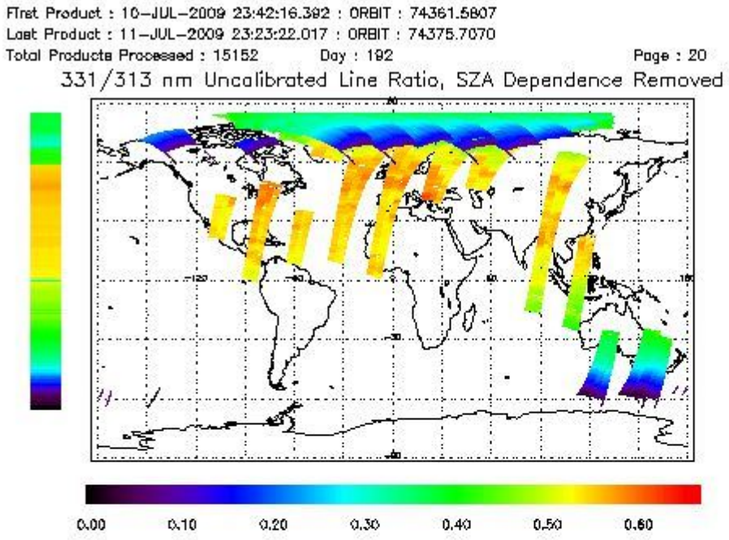
2.2 - Daily Plots

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

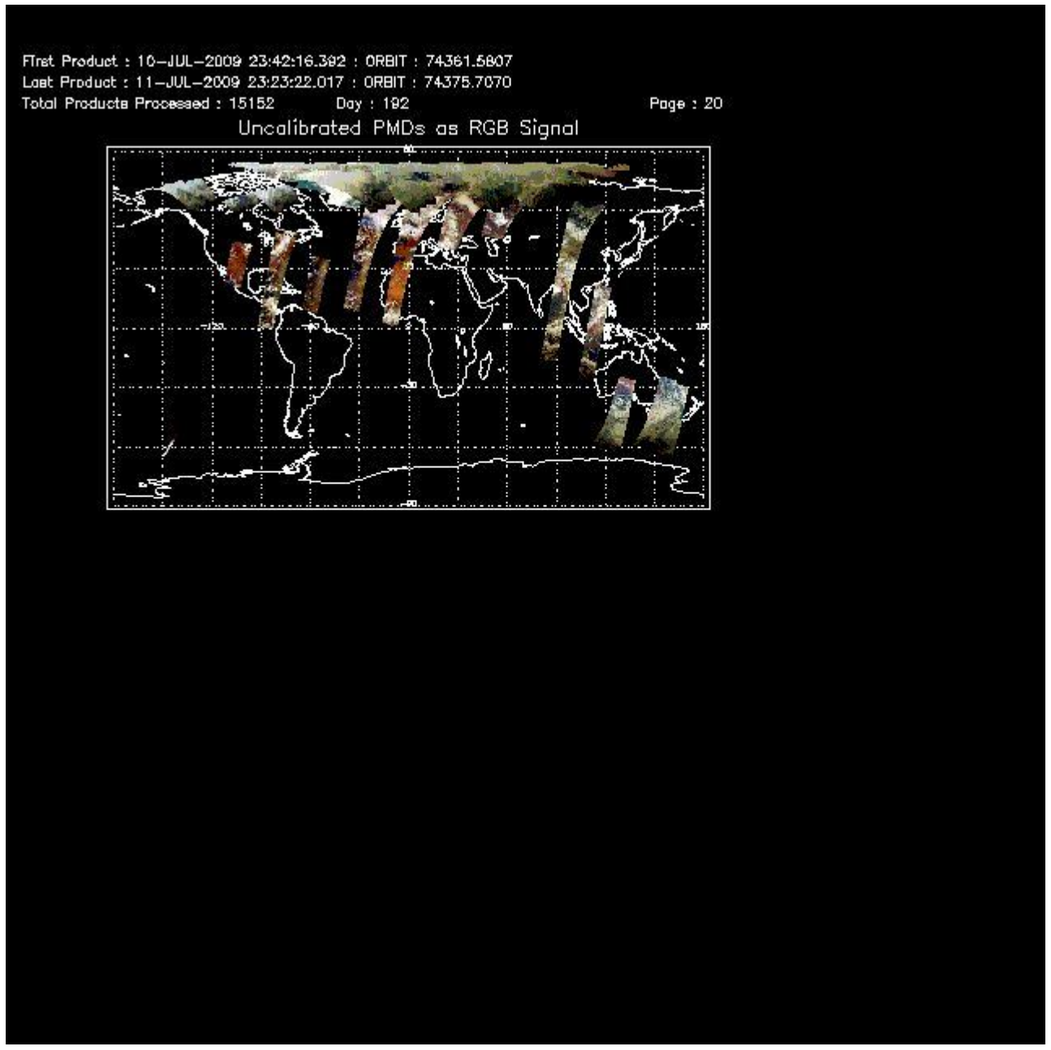
NEAR IR Intensity



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	19:08:05.470	--	74373	Y	--	14500

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/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	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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(2)

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	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	Orbit End	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	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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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