GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-JUL-2009
Start Time of First Product	23:53:34 (16-JUL)
Stop Time of Last Product	23:42:58
Number of EGOI Products analysed	46
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090717BEEP0213.E2	17-JUL-2009	04:31:59.926
EGOI_090717GSEP4698.E2	17-JUL-2009	02:23:51.649
EGOI_090717GSEP4723.E2	17-JUL-2009	04:04:04.262
EGOI_090717GSEP4729.E2	17-JUL-2009	05:46:33.383
EGOI_090717HLEP2262.E2	16-JUL-2009	23:53:34.237
EGOI_090717HLEP2270.E2	17-JUL-2009	01:34:57.355
EGOI_090717HLEP2277.E2	17-JUL-2009	12:04:49.176
EGOI_090717HLEP2284.E2	17-JUL-2009	13:43:54.279
EGOI_090717HLEP2293.E2	17-JUL-2009	15:25:20.393

EGOI_090717HLEP2300.E2	17-JUL-2009	21:48:31.720
EGOI_090717HLEP2307.E2	17-JUL-2009	23:22:45.787
EGOI_090717KSEP6525.E2	17-JUL-2009	07:44:32.599
EGOI_090717KSEP6546.E2	17-JUL-2009	09:24:33.202
EGOI_090717KSEP6570.E2	17-JUL-2009	11:04:11.305
EGOI_090717KSEP6598.E2	17-JUL-2009	12:43:28.411
EGOI_090717KSEP6607.E2	17-JUL-2009	14:22:23.009
EGOI_090717KSEP6636.E2	17-JUL-2009	16:00:08.603
EGOI_090717KSEP6655.E2	17-JUL-2009	17:38:06.202
EGOI_090717KSEP6689.E2	17-JUL-2009	19:15:57.796
EGOI_090717KSEP6717.E2	17-JUL-2009	20:55:53.899
EGOI_090717KSEP6747.E2	17-JUL-2009	22:38:03.517
EGOI_090717MAEP1764.E2	17-JUL-2009	09:32:07.745
EGOI_090717MAEP1772.E2	17-JUL-2009	11:11:57.852
EGOI_090717MAEP1789.E2	17-JUL-2009	20:48:52.356
EGOI_090717MIEP4300.E2	17-JUL-2009	02:20:53.133
EGOI_090717MIEP4318.E2	17-JUL-2009	03:59:16.231
EGOI_090717MIEP4327.E2	17-JUL-2009	14:41:06.623
EGOI_090717MIEP4351.E2	17-JUL-2009	16:18:35.717
EGOI_090717MMEP5877.E2	17-JUL-2009	03:26:20.531
EGOI_090717MMEP5883.E2	17-JUL-2009	05:08:58.649
EGOI_090717MMEP5892.E2	17-JUL-2009	10:12:24.492
EGOI_090717MMEP5899.E2	17-JUL-2009	11:52:44.602
EGOI_090717MMEP5907.E2	17-JUL-2009	15:11:41.311
EGOI_090717MMEP5912.E2	17-JUL-2009	16:51:25.416
EGOI_090717MMEP5919.E2	17-JUL-2009	18:31:02.023
EGOI_090717MMEP5927.E2	17-JUL-2009	20:10:04.122
EGOI_090717MMEP5935.E2	17-JUL-2009	21:50:25.731
EGOI_090717MMEP5943.E2	17-JUL-2009	23:30:17.334
EGOI_090717MSEP0609.E2	17-JUL-2009	00:39:01.515
EGOI_090717MSEP0631.E2	17-JUL-2009	11:17:18.887
EGOI_090717MSEP0655.E2	17-JUL-2009	12:57:28.493
EGOI_090717MSEP0688.E2	17-JUL-2009	22:26:39.455
EGOI_090717SGEP8426.E2	17-JUL-2009	03:01:15.875
EGOI_090717SGEP8433.E2	17-JUL-2009	04:41:28.481
EGOI_090717SGEP8441.E2	17-JUL-2009	13:59:27.377
EGOI_090717SGEP8449.E2	17-JUL-2009	15:35:48.955

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74452	17-JUL-2009	07:42:29.489	07:44:32.598	123.10900
KS	74453	17-JUL-2009	09:22:04.466	09:24:33.202	148.73600
KS	74454	17-JUL-2009	11:01:39.853	11:04:11.304	151.45100

KS	74455	17-JUL-2009	12:40:57.754	12:43:28.410	150.65600
KS	74456	17-JUL-2009	14:19:47.672	14:22:23.009	155.33700
KS	74457	17-JUL-2009	15:57:35.728	16:00:08.602	152.87400
KS	74458	17-JUL-2009	17:35:30.570	17:38:06.202	155.63200
KS	74459	17-JUL-2009	19:13:49.512	19:15:57.796	128.28400
KS	74460	17-JUL-2009	20:53:52.294	20:55:53.899	121.60500
KS	74461	17-JUL-2009	22:36:07.241	22:38:03.516	116.27500
GS	74450	17-JUL-2009	04:02:00.564	04:04:04.261	123.69700
MS	74448	17-JUL-2009	00:37:08.884	00:39:01.514	112.63000
MS	74454	17-JUL-2009	11:14:42.141	11:17:18.887	156.74600
MS	74455	17-JUL-2009	12:54:54.480	12:57:28.492	154.01200
MS	74461	17-JUL-2009	22:24:27.712	22:26:39.455	131.74300
MA	74453	17-JUL-2009	09:30:11.488	09:32:07.745	116.25700
MA	74454	17-JUL-2009	11:10:48.236	11:11:57.852	69.616000
MA	74460	17-JUL-2009	20:45:44.016	20:48:52.356	188.34000
MI	74449	17-JUL-2009	02:18:31.825	02:20:53.132	141.30700
MI	74450	17-JUL-2009	03:56:11.598	03:59:16.230	184.63200
MI	74456	17-JUL-2009	14:38:51.734	14:41:06.622	134.88800
MI	74457	17-JUL-2009	16:16:10.091	16:18:35.716	145.62500
MM	74449	17-JUL-2009	03:25:14.751	03:26:20.531	65.780000
MM	74453	17-JUL-2009	10:10:49.738	10:12:24.491	94.753000
MM	74454	17-JUL-2009	11:50:52.514	11:52:44.602	112.08800
MM	74456	17-JUL-2009	15:10:15.060	15:11:41.311	86.251000
MM	74457	17-JUL-2009	16:49:32.524	16:51:25.416	112.89200
MM	74458	17-JUL-2009	18:28:40.680	18:31:02.023	141.34300
MM	74459	17-JUL-2009	20:07:56.759	20:10:04.122	127.36300
MM	74460	17-JUL-2009	21:47:44.266	21:50:25.731	161.46500
MM	74461	17-JUL-2009	23:28:23.816	23:30:17.334	113.51800
BE	74450	17-JUL-2009	04:27:45.140	04:31:59.926	254.78600
SG	74449	17-JUL-2009	02:58:50.905	03:01:15.874	144.96900
SG	74450	17-JUL-2009	04:39:30.710	04:41:28.480	117.77000
SG	74456	17-JUL-2009	15:33:19.210	15:35:48.954	149.74400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)

MM	74447	17-JUL-2009	00:00:14.940	00:11:43.832	688.89200
MM	74448	17-JUL-2009	01:42:18.687	01:51:57.639	578.95200
GS	74448	17-JUL-2009	00:46:04.001	00:54:31.449	507.44800
BE	74449	17-JUL-2009	02:47:32.340	03:00:53.102	800.76200
CM	74449	17-JUL-2009	03:54:59.373	04:07:20.820	741.44700
MM	74451	17-JUL-2009	06:49:50.803	06:56:40.284	409.48100
KS	74451	17-JUL-2009	06:03:42.191	06:09:09.292	327.10100
CM	74451	17-JUL-2009	05:38:35.531	05:42:40.505	244.97400
JO	74451	17-JUL-2009	06:31:59.940	06:40:22.494	502.55400
MM	74452	17-JUL-2009	08:30:32.648	08:39:42.279	549.63100
MA	74452	17-JUL-2009	07:52:55.986	07:59:48.142	412.15600
JO	74452	17-JUL-2009	08:07:10.615	08:22:10.391	899.77600
JO	74453	17-JUL-2009	09:49:22.539	09:59:18.317	595.77800
MM	74455	17-JUL-2009	13:30:41.559	13:43:24.721	763.16200
BE	74456	17-JUL-2009	14:04:08.721	14:17:33.418	804.69700
GS	74456	17-JUL-2009	14:31:40.461	14:42:40.358	659.89700
BE	74457	17-JUL-2009	15:46:27.010	15:55:15.533	528.52300
CM	74457	17-JUL-2009	16:18:56.552	16:31:19.789	743.23700
GS	74458	17-JUL-2009	17:50:41.612	18:00:43.193	601.58100
CM	74458	17-JUL-2009	18:01:33.961	18:06:10.702	276.74100
MA	74459	17-JUL-2009	19:11:09.644	19:18:51.431	461.78700
JO	74459	17-JUL-2009	20:27:16.995	20:42:09.368	892.37300
JO	74460	17-JUL-2009	22:07:43.402	22:19:24.480	701.07800
GS	74457	17-JUL-2009	16:10:16.275	16:24:09.135	832.86000

[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

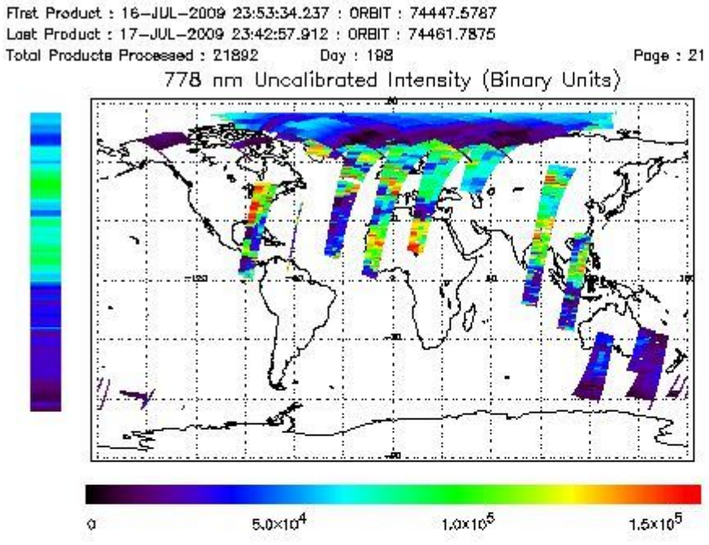
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
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)

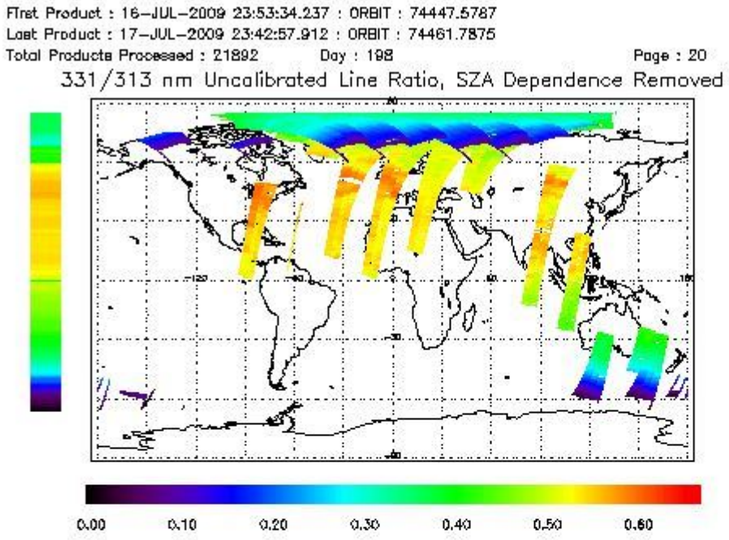
2.2 - Daily Plots

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

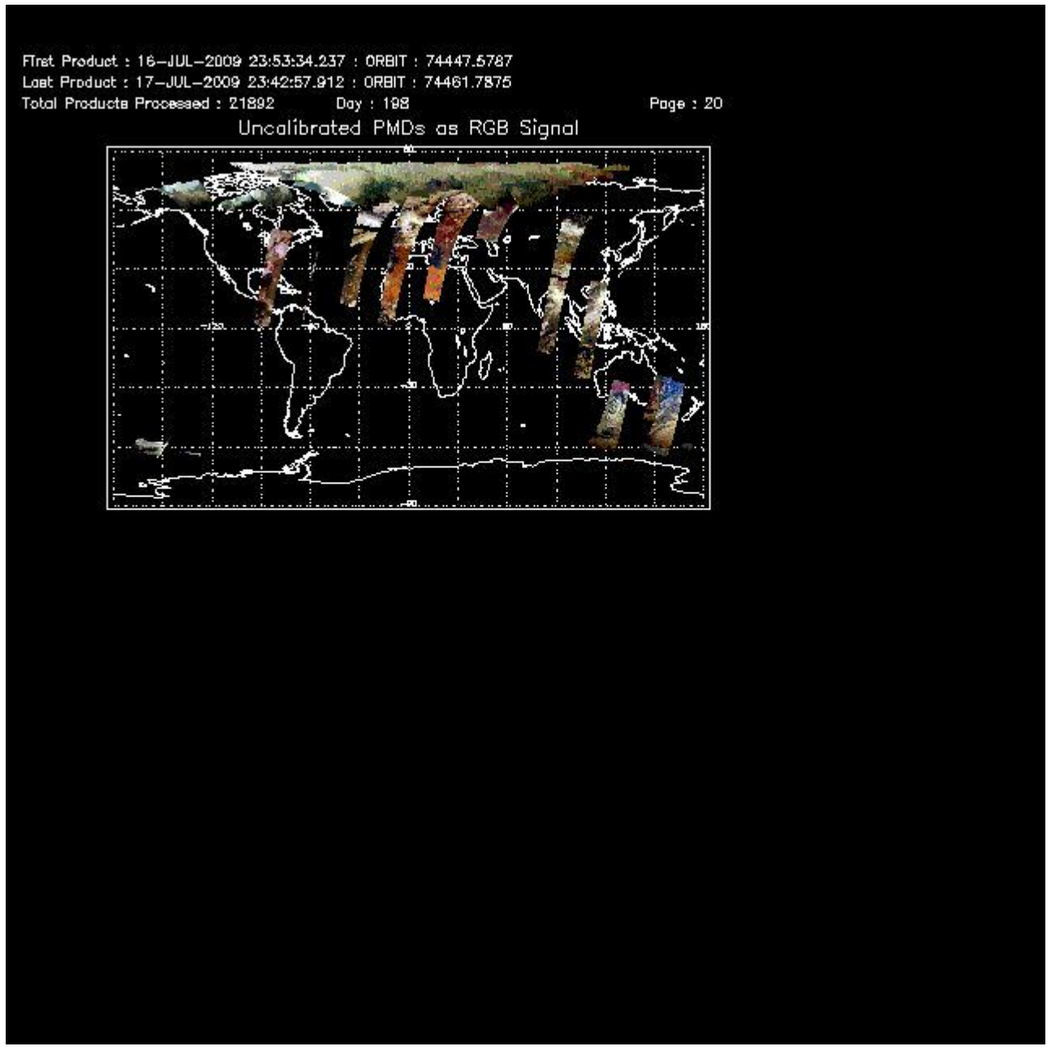
NEAR IR Intensity



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	19:19:50.310	--	74459	--	--	14573

(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)
--	--	--	--	--	--

(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)
14:41:07	15:50:22	74456	74456	NS NE

(2)

5.2 - TST44

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

(2)

5.3 - Power Cycle

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

(2)

5.4 - Wrong Command Execution

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

(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
--	--	--	--

[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