GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	31-AUG-2009
Start Time of First Product	23:47:37 (30-AUG-2009)
Stop Time of Last Product	22:25:01
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090831BEEP0581.E2	31-AUG-2009	02:36:10.834
EGOI_090831BEEP0587.E2	31-AUG-2009	04:15:56.435
EGOI_090831GSEP7785.E2	31-AUG-2009	02:09:45.178
EGOI_090831GSEP7812.E2	31-AUG-2009	03:49:29.279
EGOI_090831GSEP7822.E2	31-AUG-2009	05:32:20.900
EGOI_090831HLEP3632.E2	31-AUG-2009	11:51:24.702
EGOI_090831HLEP3641.E2	31-AUG-2009	15:11:03.419
EGOI_090831HLEP3649.E2	31-AUG-2009	21:36:53.758
EGOI_090831KSEP8365.E2	31-AUG-2009	07:30:18.621

EGOI_090831KSEP8386.E2	31-AUG-2009	09:10:23.728
EGOI_090831KSEP8416.E2	31-AUG-2009	10:50:03.331
EGOI_090831KSEP8444.E2	31-AUG-2009	12:29:24.936
EGOI_090831KSEP8460.E2	31-AUG-2009	14:08:21.030
EGOI_090831KSEP8488.E2	31-AUG-2009	15:46:14.130
EGOI_090831KSEP8520.E2	31-AUG-2009	17:24:08.725
EGOI_090831KSEP8556.E2	31-AUG-2009	19:02:00.319
EGOI_090831KSEP8590.E2	31-AUG-2009	20:41:32.418
EGOI_090831MAEP3326.E2	31-AUG-2009	09:18:10.271
EGOI_090831MAEP3336.E2	31-AUG-2009	10:57:46.874
EGOI_090831MIEP8161.E2	31-AUG-2009	02:07:40.666
EGOI_090831MIEP8183.E2	31-AUG-2009	03:44:30.748
EGOI_090831MMEP7722.E2	30-AUG-2009	23:47:36.808
EGOI_090831MMEP7728.E2	31-AUG-2009	03:11:41.053
EGOI_090831MMEP7745.E2	31-AUG-2009	18:17:22.537
EGOI_090831MMEP7754.E2	31-AUG-2009	21:36:07.248
EGOI_090831MSEP5660.E2	31-AUG-2009	00:24:11.536
EGOI_090831MSEP5679.E2	31-AUG-2009	11:03:19.909
EGOI_090831MSEP5706.E2	31-AUG-2009	12:42:49.011
EGOI_090831MSEP5737.E2	31-AUG-2009	22:12:53.974
EGOI_090831SGEP9308.E2	31-AUG-2009	02:50:07.916
EGOI_090831SGEP9316.E2	31-AUG-2009	04:27:02.502
EGOI_090831SGEP9325.E2	31-AUG-2009	17:04:43.107

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75096	31-AUG-2009	07:28:17.467	07:30:18.621	121.15400
KS	75097	31-AUG-2009	09:07:50.406	09:10:23.728	153.32200
KS	75098	31-AUG-2009	10:47:26.887	10:50:03.331	156.44400
KS	75099	31-AUG-2009	12:26:48.404	12:29:24.935	156.53100
KS	75100	31-AUG-2009	14:05:41.590	14:08:21.029	159.43900
KS	75101	31-AUG-2009	15:43:38.233	15:46:14.129	155.89600
KS	75102	31-AUG-2009	17:21:29.748	17:24:08.725	158.97700
KS	75103	31-AUG-2009	18:59:40.498	19:02:00.318	139.82000
KS	75104	31-AUG-2009	20:39:27.623	20:41:32.417	124.79400
GS	75093	31-AUG-2009	02:07:44.303	02:09:45.178	120.87500
GS	75094	31-AUG-2009	03:47:22.059	03:49:29.279	127.22000
MS	75092	31-AUG-2009	00:21:57.772	00:24:11.536	133.76400
MS	75098	31-AUG-2009	11:00:39.892	11:03:19.909	160.01700
MS	75099	31-AUG-2009	12:40:15.481	12:42:49.010	153.52900

MS	75105	31-AUG-2009	22:10:45.359	22:12:53.973	128.61400
MS	75106	31-AUG-2009	23:49:28.186	23:51:48.573	140.38700
MA	75097	31-AUG-2009	09:16:23.990	09:18:10.270	106.28000
MA	75098	31-AUG-2009	10:55:42.427	10:57:46.874	124.44700
MI	75093	31-AUG-2009	02:05:17.998	02:07:40.666	142.66800
MI	75094	31-AUG-2009	03:41:49.565	03:44:30.747	161.18200
MM	75091	30-AUG-2009	23:45:45.440	23:47:36.808	111.36800
MM	75093	31-AUG-2009	03:10:30.697	03:11:41.053	70.356000
MM	75102	31-AUG-2009	18:14:30.970	18:17:22.537	171.56700
MM	75104	31-AUG-2009	21:33:26.127	21:36:07.248	161.12100
BE	75093	31-AUG-2009	02:33:25.248	02:36:10.834	165.58600
BE	75094	31-AUG-2009	04:13:16.296	04:15:56.435	160.13900
SG	75093	31-AUG-2009	02:45:02.240	02:50:07.916	305.67600
SG	75094	31-AUG-2009	04:24:37.539	04:27:02.502	144.96300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75092	31-AUG-2009	01:15:43.496	01:28:32.735	769.23900
MM	75092	31-AUG-2009	01:27:40.045	01:37:37.538	597.49300
CM	75093	31-AUG-2009	03:40:59.991	03:53:02.614	722.62300
MM	75094	31-AUG-2009	04:53:30.844	04:59:22.848	352.00400
MM	75095	31-AUG-2009	06:35:23.986	06:41:56.553	392.56700
KS	75095	31-AUG-2009	05:49:59.233	05:52:29.518	150.28500
CM	75095	31-AUG-2009	05:22:33.149	05:30:13.017	459.86800
MM	75096	31-AUG-2009	08:16:11.521	08:25:00.995	529.47400
JO	75096	31-AUG-2009	07:53:07.544	08:07:55.211	887.66700
MM	75097	31-AUG-2009	09:56:31.114	10:07:26.325	655.21100
JO	75097	31-AUG-2009	09:34:11.480	09:45:53.488	702.00800
MM	75098	31-AUG-2009	11:36:35.786	11:48:48.234	732.44800
MM	75099	31-AUG-2009	13:16:26.883	13:29:08.848	761.96500
MM	75100	31-AUG-2009	14:56:02.722	15:08:43.600	760.87800
MI	75100	31-AUG-2009	14:25:59.567	14:31:50.565	350.99800
GS	75100	31-AUG-2009	14:17:53.258	14:27:53.106	599.84800
SG	75100	31-AUG-2009	15:19:09.368	15:33:00.774	831.40600
BE	75101	31-AUG-2009	15:31:18.476	15:41:39.082	620.60600

MM	75101	31-AUG-2009	16:35:22.301	16:47:54.863	752.56200
MI	75101	31-AUG-2009	16:01:55.832	16:15:18.575	802.74300
GS	75101	31-AUG-2009	15:56:03.366	16:09:59.470	836.10400
CM	75101	31-AUG-2009	16:04:53.527	16:17:00.599	727.07200
MI	75102	31-AUG-2009	17:44:13.919	17:50:06.582	352.66300
GS	75102	31-AUG-2009	17:36:13.451	17:47:13.798	660.34700
CM	75102	31-AUG-2009	17:45:59.467	17:53:41.565	462.09800
MM	75103	31-AUG-2009	19:53:44.521	20:06:26.953	762.43200
MA	75103	31-AUG-2009	18:58:20.875	19:03:08.703	287.82800
JO	75103	31-AUG-2009	20:13:14.601	20:27:45.948	871.34700
MA	75104	31-AUG-2009	20:31:36.613	20:45:19.341	822.72800
JO	75104	31-AUG-2009	21:53:06.480	22:05:56.653	770.17300
HO	75105	31-AUG-2009	23:04:43.765	23:18:21.242	817.47700
MM	75105	31-AUG-2009	23:13:57.257	23:25:59.358	722.10100
MA	75105	31-AUG-2009	22:14:23.285	22:23:39.123	555.83800
KS	75105	31-AUG-2009	22:21:20.888	22:32:43.133	682.24500

[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

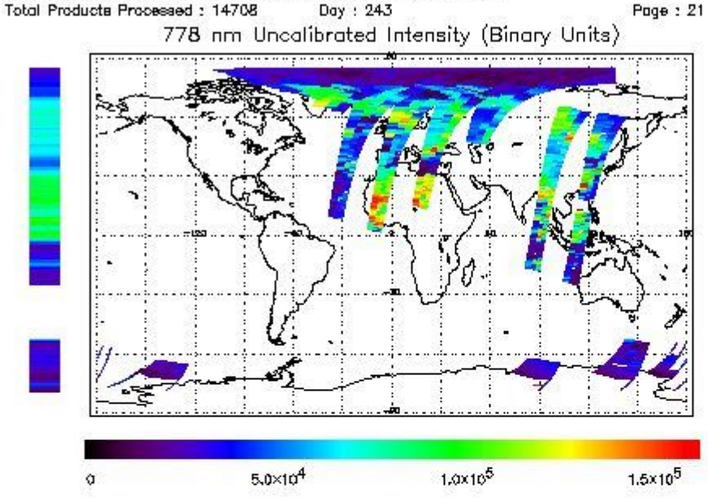
(1)

2.2 - Daily Plots

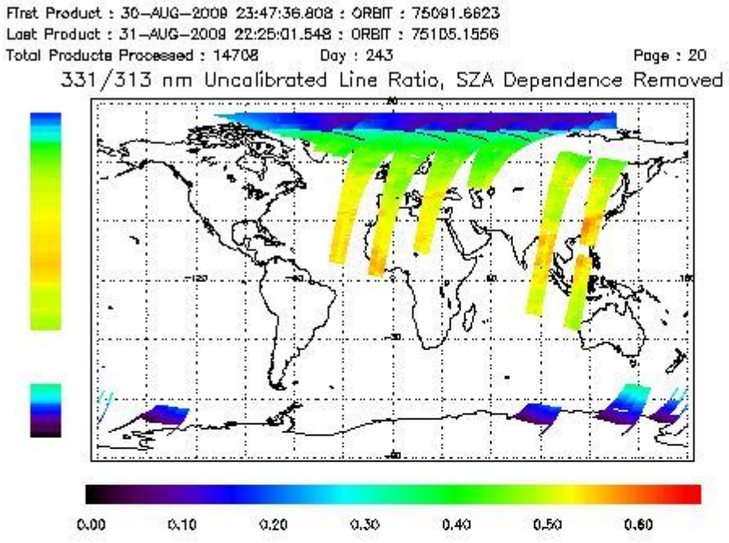
The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

NEAR IR Intensity

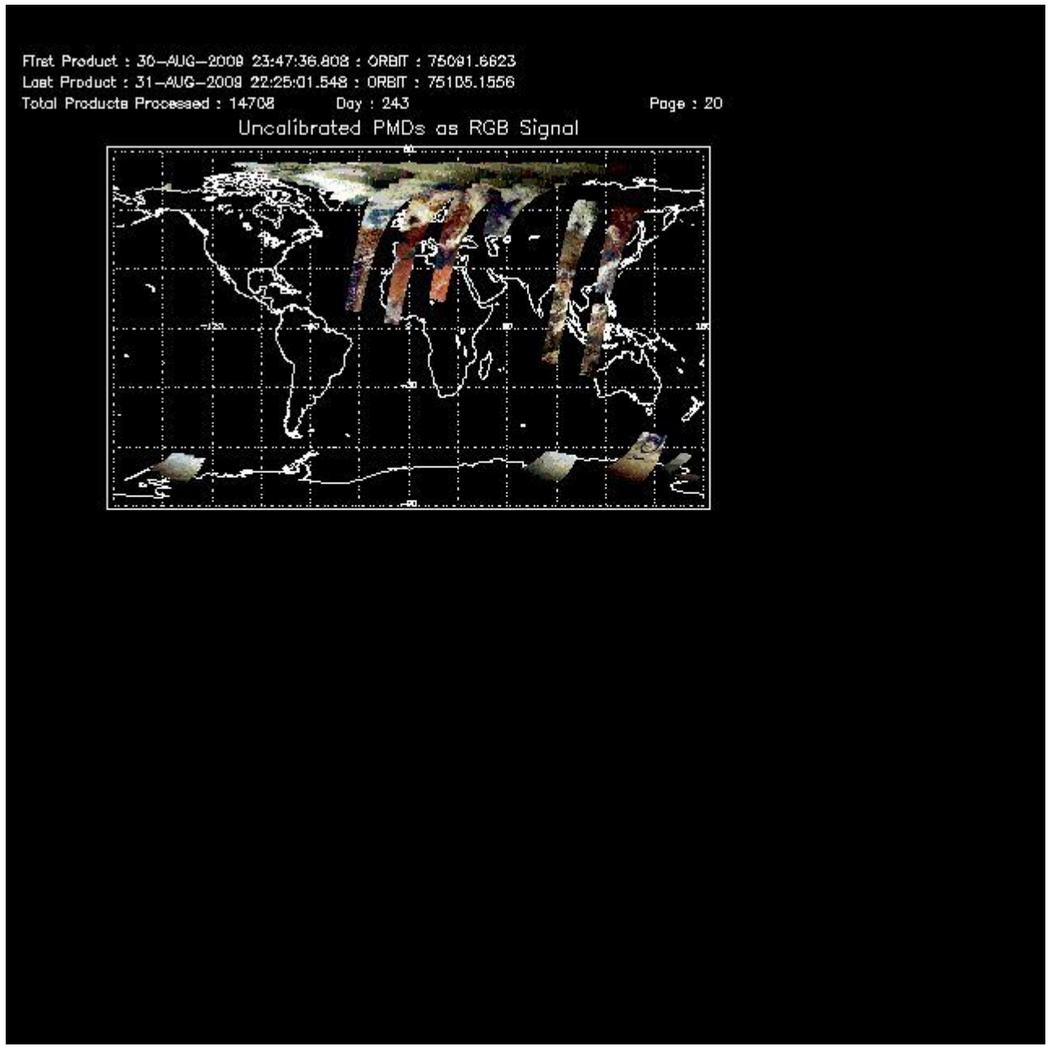
FIrst Product : 30-AUG-2009 23:47:36.808 : ORBIT : 75091.6623
Last Product : 31-AUG-2009 22:25:01.548 : ORBIT : 75105.1556
Total Products Processed : 14708 Day : 243 Page : 21



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	19:09:22.860	--	75103	Y	--	14973

(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