

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-AUG-2009
Start Time of First Product	06:06:07
Stop Time of Last Product	23:43:31
Number of EGOI Products analysed	40
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090808BEEP0374.E2	08-AUG-2009	04:39:07.094
EGOI_090808GSEP6200.E2	08-AUG-2009	00:56:01.243
EGOI_090808GSEP6232.E2	08-AUG-2009	02:32:04.821
EGOI_090808GSEP6262.E2	08-AUG-2009	04:12:53.430
EGOI_090808GSEP6269.E2	08-AUG-2009	05:55:21.051
EGOI_090808HLEP2827.E2	08-AUG-2009	00:06:06.941
EGOI_090808HLEP2834.E2	08-AUG-2009	01:44:19.532
EGOI_090808HLEP2842.E2	08-AUG-2009	13:52:50.944
EGOI_090808HLEP2851.E2	08-AUG-2009	15:34:42.563

EGOI_090808HLEP2859.E2	08-AUG-2009	21:56:34.378
EGOI_090808HLEP2866.E2	08-AUG-2009	23:31:28.954
EGOI_090808KSEP2219.E2	08-AUG-2009	06:13:39.161
EGOI_090808KSEP2249.E2	08-AUG-2009	07:53:32.271
EGOI_090808KSEP2276.E2	08-AUG-2009	09:33:10.376
EGOI_090808KSEP2311.E2	08-AUG-2009	11:12:46.974
EGOI_090808KSEP2343.E2	08-AUG-2009	12:52:01.077
EGOI_090808KSEP2356.E2	08-AUG-2009	14:30:52.676
EGOI_090808KSEP2370.E2	08-AUG-2009	16:08:35.274
EGOI_090808KSEP2401.E2	08-AUG-2009	17:46:31.368
EGOI_090808KSEP2427.E2	08-AUG-2009	19:24:36.460
EGOI_090808KSEP2456.E2	08-AUG-2009	21:04:46.066
EGOI_090808KSEP2475.E2	08-AUG-2009	22:47:10.692
EGOI_090808MAEP2494.E2	08-AUG-2009	09:40:40.419
EGOI_090808MAEP2507.E2	08-AUG-2009	19:20:55.940
EGOI_090808MAEP2528.E2	08-AUG-2009	20:57:28.023
EGOI_090808MIEP6033.E2	08-AUG-2009	02:28:58.805
EGOI_090808MIEP6057.E2	08-AUG-2009	04:08:02.403
EGOI_090808MIEP6079.E2	08-AUG-2009	14:49:19.789
EGOI_090808MMEP6922.E2	08-AUG-2009	01:52:28.586
EGOI_090808MMEP6928.E2	08-AUG-2009	03:35:21.708
EGOI_090808MMEP6937.E2	08-AUG-2009	08:40:31.052
EGOI_090808MMEP6947.E2	08-AUG-2009	13:40:47.874
EGOI_090808MMEP6957.E2	08-AUG-2009	16:59:58.079
EGOI_090808MMEP6967.E2	08-AUG-2009	21:58:50.894
EGOI_090808MSEP3068.E2	08-AUG-2009	00:48:10.196
EGOI_090808MSEP3088.E2	08-AUG-2009	11:25:50.053
EGOI_090808MSEP3112.E2	08-AUG-2009	13:06:29.663
EGOI_090808MSEP3139.E2	08-AUG-2009	22:35:04.614
EGOI_090808SGEP8993.E2	08-AUG-2009	03:11:23.058
EGOI_090808SGEP9001.E2	08-AUG-2009	04:50:35.659

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74766	08-AUG-2009	06:12:03.219	06:13:39.161	95.942000
KS	74767	08-AUG-2009	07:51:01.017	07:53:32.271	151.25400
KS	74768	08-AUG-2009	09:30:36.900	09:33:10.376	153.47600
KS	74769	08-AUG-2009	11:10:11.468	11:12:46.973	155.50500
KS	74770	08-AUG-2009	12:49:27.006	12:52:01.076	154.07000
KS	74771	08-AUG-2009	14:28:14.103	14:30:52.675	158.57200
KS	74772	08-AUG-2009	16:05:58.069	16:08:35.274	157.20500
KS	74773	08-AUG-2009	17:43:53.572	17:46:31.368	157.79600

KS	74774	08-AUG-2009	19:22:19.836	19:24:36.459	136.62300
KS	74775	08-AUG-2009	21:02:32.367	21:04:46.065	133.69800
KS	74776	08-AUG-2009	22:45:00.914	22:47:10.691	129.77700
GS	74763	08-AUG-2009	00:54:01.936	00:56:01.243	119.30700
GS	74764	08-AUG-2009	02:30:09.868	02:32:04.821	114.95300
GS	74765	08-AUG-2009	04:10:51.569	04:12:53.429	121.86000
MS	74763	08-AUG-2009	00:46:29.061	00:48:10.195	101.13400
MS	74769	08-AUG-2009	11:23:09.471	11:25:50.053	160.58200
MS	74770	08-AUG-2009	13:03:45.601	13:06:29.663	164.06200
MS	74776	08-AUG-2009	22:32:45.336	22:35:04.614	139.27800
MA	74768	08-AUG-2009	09:38:41.232	09:40:40.419	119.18700
MA	74774	08-AUG-2009	19:19:03.592	19:20:55.939	112.34700
MA	74775	08-AUG-2009	20:54:15.176	20:57:28.023	192.84700
MI	74764	08-AUG-2009	02:26:35.740	02:28:58.805	143.06500
MI	74765	08-AUG-2009	04:04:52.995	04:08:02.402	189.40700
MI	74765	08-AUG-2009	04:16:15.948	04:17:32.374	76.426000
MI	74771	08-AUG-2009	14:46:51.742	14:49:19.788	148.04600
MM	74763	08-AUG-2009	01:51:06.422	01:52:28.585	82.163000
MM	74764	08-AUG-2009	03:34:05.232	03:35:21.707	76.475000
MM	74767	08-AUG-2009	08:39:09.101	08:40:31.051	81.950000
MM	74770	08-AUG-2009	13:39:14.211	13:40:47.873	93.662000
MM	74772	08-AUG-2009	16:58:02.559	16:59:58.079	115.52000
MM	74775	08-AUG-2009	21:56:19.661	21:58:50.894	151.23300
BE	74765	08-AUG-2009	04:36:28.898	04:39:07.093	158.19500
SG	74764	08-AUG-2009	03:07:12.530	03:11:23.058	250.52800
SG	74764	08-AUG-2009	03:19:41.107	03:20:50.059	68.952000
SG	74765	08-AUG-2009	04:48:36.259	04:50:35.659	119.40000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74762	07-AUG-2009	23:57:58.437	00:12:29.487	871.05000
MM	74762	08-AUG-2009	00:08:57.289	00:20:18.728	681.43900
BE	74764	08-AUG-2009	02:56:02.122	03:09:26.613	804.49100
CM	74764	08-AUG-2009	04:03:27.294	04:15:52.515	745.22100
MM	74765	08-AUG-2009	05:16:55.918	05:22:42.336	346.41800

MM	74766	08-AUG-2009	06:58:30.312	07:05:30.699	420.38700
JO	74766	08-AUG-2009	06:39:43.885	06:49:24.341	580.45600
MA	74767	08-AUG-2009	08:01:42.967	08:10:09.416	506.44900
JO	74767	08-AUG-2009	08:15:39.811	08:30:41.483	901.67200
MM	74768	08-AUG-2009	10:19:24.779	10:30:42.283	677.50400
MM	74769	08-AUG-2009	11:59:26.420	12:11:49.385	742.96500
MA	74769	08-AUG-2009	11:19:35.232	11:28:08.896	513.66400
SG	74770	08-AUG-2009	14:05:37.345	14:13:47.233	489.88800
BE	74771	08-AUG-2009	14:12:39.856	14:26:04.307	804.45100
MM	74771	08-AUG-2009	15:18:46.298	15:31:25.093	758.79500
GS	74771	08-AUG-2009	14:40:00.384	14:50:53.532	653.14800
SG	74771	08-AUG-2009	15:41:52.819	15:55:36.396	823.57700
BE	74772	08-AUG-2009	15:55:42.728	16:03:16.679	453.95100
MI	74772	08-AUG-2009	16:24:45.077	16:37:46.485	781.40800
GS	74772	08-AUG-2009	16:18:48.906	16:32:36.400	827.49400
CM	74772	08-AUG-2009	16:27:25.738	16:39:50.997	745.25900
MM	74773	08-AUG-2009	18:37:10.573	18:49:46.168	755.59500
GS	74773	08-AUG-2009	17:59:24.524	18:08:44.994	560.47000
JO	74773	08-AUG-2009	19:00:16.445	19:06:30.544	374.09900
MM	74774	08-AUG-2009	20:16:28.407	20:29:12.059	763.65200
JO	74774	08-AUG-2009	20:35:44.772	20:50:43.866	899.09400
JO	74775	08-AUG-2009	22:16:33.860	22:27:23.005	649.14500
MM	74776	08-AUG-2009	23:37:04.387	23:48:51.253	706.86600
MA	74776	08-AUG-2009	22:39:11.059	22:45:05.640	354.58100

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1.5 - List of corrupted products

Station	Orbit	Time
GS	74766	06:02:48.094

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

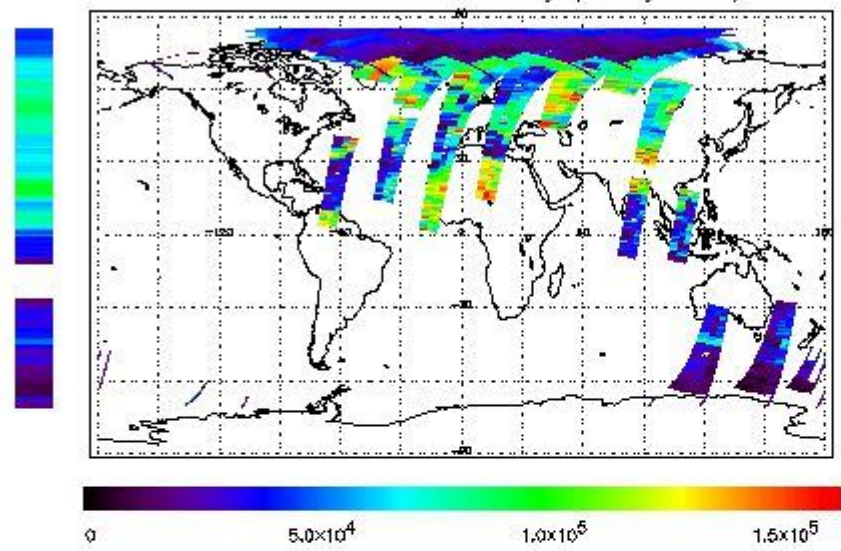
(1)

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 explanation see the GOME Performance Legend

NEAR IR Intensity

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

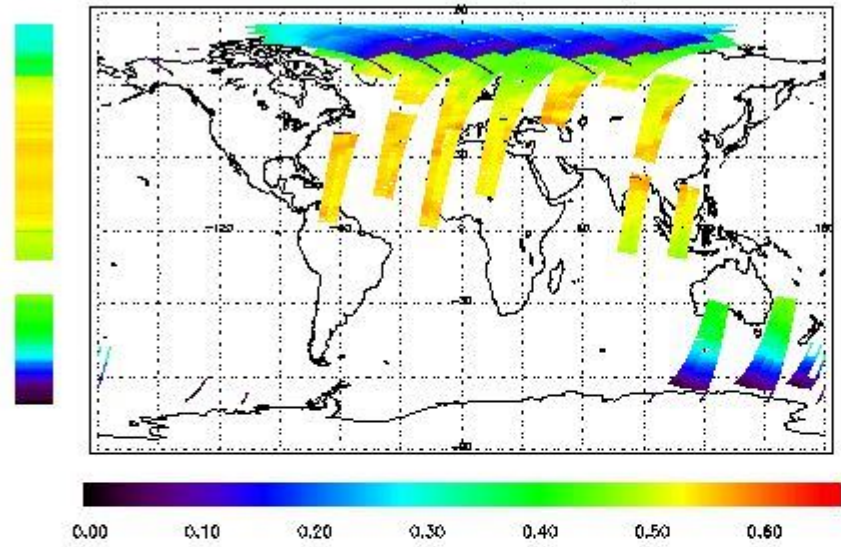
First Product : 08-AUG-2008 00:06:06.941 : ORBIT : 74762.6177

Last Product : 08-AUG-2008 23:43:30.532 : ORBIT : 74776.7072

Total Products Processed : 17567 Day : 220

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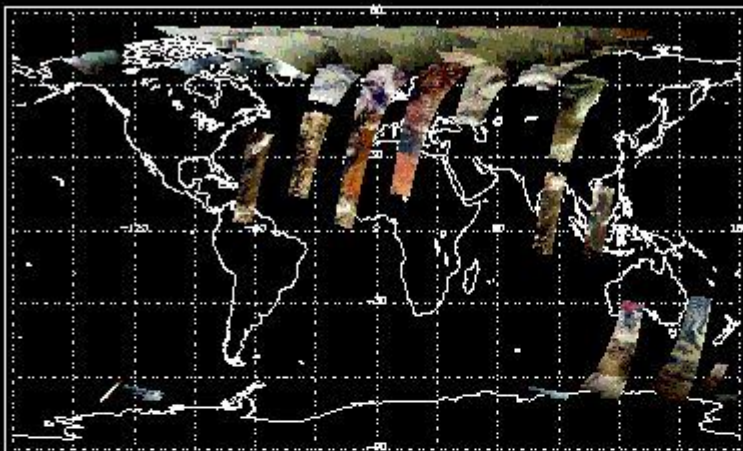
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 08-AUG-2009 00:06:06.941 : ORBIT : 74762.6177
 Last Product : 08-AUG-2009 23:43:30.532 : ORBIT : 74776.7072
 Total Products Processed : 17567 Day : 220 Page : 20

Uncalibrated PMDs as RGB Signal



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	17:49:26.870	--	4773	Y	--	14825

(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)

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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)

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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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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