

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-OCT-2009
Start Time of First Product	01:04:05
Stop Time of Last Product	23:12:58
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_091007BEEP0851.E2	07-OCT-2009	03:12:56.291
EGOI_091007GSEP0154.E2	07-OCT-2009	01:09:18.035
EGOI_091007GSEP0186.E2	07-OCT-2009	02:46:21.631
EGOI_091007GSEP0215.E2	07-OCT-2009	04:27:43.249
EGOI_091007GSEP0222.E2	07-OCT-2009	06:13:22.895
EGOI_091007KSEP7920.E2	07-OCT-2009	06:27:52.982
EGOI_091007KSEP7941.E2	07-OCT-2009	08:07:47.589
EGOI_091007KSEP7966.E2	07-OCT-2009	09:47:25.700
EGOI_091007KSEP7991.E2	07-OCT-2009	11:27:03.805

EGOI_091007KSEP8010.E2	07-OCT-2009	13:06:10.416
EGOI_091007KSEP8022.E2	07-OCT-2009	14:44:57.515
EGOI_091007KSEP8037.E2	07-OCT-2009	16:22:38.610
EGOI_091007KSEP8068.E2	07-OCT-2009	18:00:43.713
EGOI_091007KSEP8102.E2	07-OCT-2009	19:38:42.811
EGOI_091007KSEP8128.E2	07-OCT-2009	21:19:07.425
EGOI_091007KSEP8154.E2	07-OCT-2009	23:02:51.556
EGOI_091007MAEP4606.E2	07-OCT-2009	08:16:19.143
EGOI_091007MAEP4619.E2	07-OCT-2009	09:54:55.747
EGOI_091007MAEP4635.E2	07-OCT-2009	21:11:31.382
EGOI_091007MIEP0810.E2	07-OCT-2009	02:42:44.107
EGOI_091007MIEP0838.E2	07-OCT-2009	04:21:55.214
EGOI_091007MIEP0865.E2	07-OCT-2009	15:02:51.624
EGOI_091007MIEP0894.E2	07-OCT-2009	16:41:41.727
EGOI_091007MSEP9683.E2	07-OCT-2009	01:04:04.504
EGOI_091007MSEP9699.E2	07-OCT-2009	10:03:10.797
EGOI_091007MSEP9725.E2	07-OCT-2009	11:40:03.887
EGOI_091007MSEP9748.E2	07-OCT-2009	13:21:09.007
EGOI_091007MSEP9761.E2	07-OCT-2009	21:15:01.401
EGOI_091007MSEP9792.E2	07-OCT-2009	22:48:57.478
EGOI_091007SGEP0209.E2	07-OCT-2009	05:05:47.984
EGOI_091007SGEP0216.E2	07-OCT-2009	14:20:49.866
EGOI_091007SGEP0224.E2	07-OCT-2009	15:58:56.469

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75625	07-OCT-2009	06:26:03.947	06:27:52.982	109.03500
KS	75626	07-OCT-2009	08:05:13.970	08:07:47.588	153.61800
KS	75627	07-OCT-2009	09:44:50.920	09:47:25.699	154.77900
KS	75628	07-OCT-2009	11:24:23.849	11:27:03.804	159.95500
KS	75629	07-OCT-2009	13:03:35.121	13:06:10.416	155.29500
KS	75630	07-OCT-2009	14:42:17.468	14:44:57.514	160.04600
KS	75631	07-OCT-2009	16:19:57.528	16:22:38.610	161.08200
KS	75632	07-OCT-2009	17:57:47.706	18:00:43.712	176.00600
KS	75633	07-OCT-2009	19:36:31.973	19:38:42.811	130.83800
KS	75634	07-OCT-2009	21:17:01.357	21:19:07.424	126.06700
KS	75635	07-OCT-2009	22:59:53.724	23:02:51.555	177.83100
GS	75622	07-OCT-2009	01:07:25.935	01:09:18.035	112.10000
GS	75623	07-OCT-2009	02:44:13.190	02:46:21.631	128.44100
GS	75624	07-OCT-2009	04:25:44.274	04:27:43.249	118.97500

MS	75628	07-OCT-2009	11:37:20.347	11:40:03.887	163.54000
MS	75629	07-OCT-2009	13:18:32.074	13:21:09.006	156.93200
MS	75635	07-OCT-2009	22:46:41.102	22:48:57.478	136.37600
MA	75626	07-OCT-2009	08:14:39.804	08:16:19.143	99.339000
MA	75627	07-OCT-2009	09:52:53.292	09:54:55.746	122.45400
MA	75634	07-OCT-2009	21:08:48.204	21:11:31.382	163.17800
MI	75623	07-OCT-2009	02:40:11.926	02:42:44.106	152.18000
MI	75624	07-OCT-2009	04:19:29.858	04:21:55.214	145.35600
MI	75630	07-OCT-2009	15:00:26.090	15:02:51.623	145.53300
MI	75631	07-OCT-2009	16:39:07.656	16:41:41.726	154.07000
BE	75623	07-OCT-2009	03:10:14.084	03:12:56.291	162.20700
SG	75629	07-OCT-2009	14:18:39.518	14:20:49.865	130.34700
SG	75630	07-OCT-2009	15:56:15.245	15:58:56.469	161.22400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75621	07-OCT-2009	00:12:03.156	00:26:41.159	878.00300
MM	75621	07-OCT-2009	00:23:28.958	00:34:37.110	668.15200
HO	75622	07-OCT-2009	01:55:11.015	02:04:13.708	542.69300
MM	75622	07-OCT-2009	02:05:46.844	02:14:54.635	547.79100
MM	75623	07-OCT-2009	03:48:49.274	03:55:37.112	407.83800
SG	75623	07-OCT-2009	03:21:15.118	03:35:06.917	831.79900
CM	75623	07-OCT-2009	02:42:01.762	02:48:03.527	361.76500
CM	75623	07-OCT-2009	04:17:40.870	04:29:59.945	739.07500
BE	75624	07-OCT-2009	04:51:07.449	04:59:43.596	516.14700
MM	75624	07-OCT-2009	05:31:31.738	05:37:19.430	347.69200
MM	75625	07-OCT-2009	07:12:55.299	07:20:14.827	439.52800
JO	75625	07-OCT-2009	06:52:53.978	07:04:14.007	680.02900
MM	75626	07-OCT-2009	08:53:29.516	09:03:10.229	580.71300
JO	75626	07-OCT-2009	08:29:54.068	08:44:49.832	895.76400
MM	75627	07-OCT-2009	10:33:42.963	10:45:13.001	690.03800
MM	75628	07-OCT-2009	12:13:42.706	12:26:11.017	748.31100
MA	75628	07-OCT-2009	11:34:12.336	11:41:40.296	447.96000
MM	75629	07-OCT-2009	13:53:28.372	14:06:12.299	763.92700
BE	75630	07-OCT-2009	14:26:56.824	14:40:13.414	796.59000

MM	75630	07-OCT-2009	15:32:58.097	15:45:35.534	757.43700
GS	75630	07-OCT-2009	14:53:57.952	15:06:32.459	754.50700
CM	75630	07-OCT-2009	15:05:28.502	15:11:15.880	347.37800
MM	75631	07-OCT-2009	17:12:12.472	17:24:44.014	751.54200
GS	75631	07-OCT-2009	16:33:04.718	16:46:37.646	812.92800
CM	75631	07-OCT-2009	16:41:39.738	16:53:55.974	736.23600
MM	75632	07-OCT-2009	18:51:20.549	19:03:57.439	756.89000
GS	75632	07-OCT-2009	18:14:00.810	18:22:00.161	479.35100
JO	75632	07-OCT-2009	19:13:02.362	19:22:23.663	561.30100
MM	75633	07-OCT-2009	20:30:41.714	20:43:25.698	763.98400
MA	75633	07-OCT-2009	19:30:36.790	19:42:13.426	696.63600
JO	75633	07-OCT-2009	20:49:54.631	21:04:55.705	901.07400
HO	75634	07-OCT-2009	22:04:35.957	22:15:08.171	632.21400
MM	75634	07-OCT-2009	22:10:39.544	22:23:10.234	750.69000
JO	75634	07-OCT-2009	22:31:28.616	22:40:26.554	537.93800
HO	75635	07-OCT-2009	23:41:02.491	23:55:25.472	862.98100
MM	75635	07-OCT-2009	23:51:33.078	00:03:09.034	695.95600

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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	South Polar View operations
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

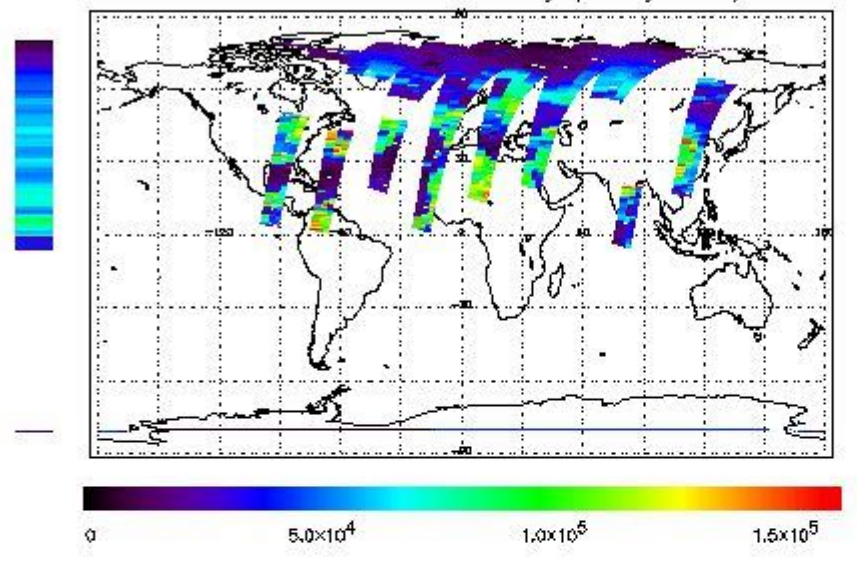
(1)

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

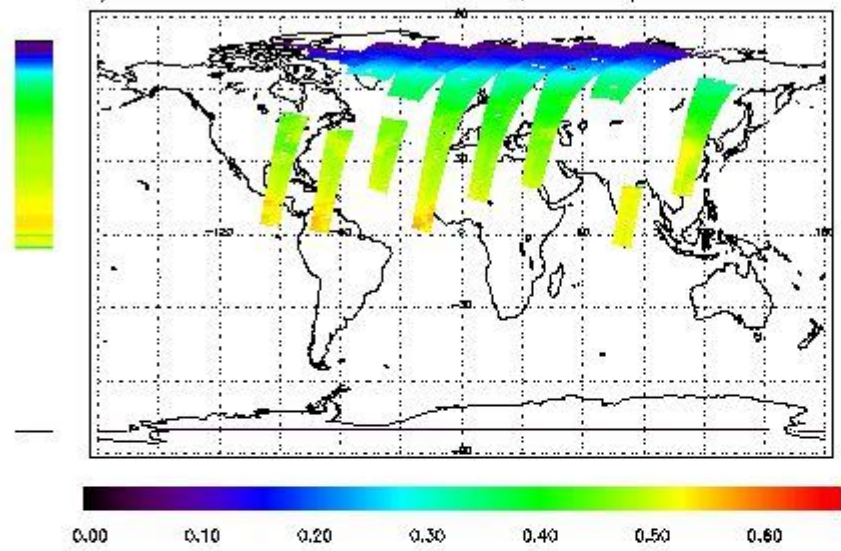
First Product : 07-OCT-2009 01:04:04.504 : ORBIT : 75622.0510

Last Product : 07-OCT-2009 23:12:57.618 : ORBIT : 75635.2607

Total Products Processed : 14787 Day : 280

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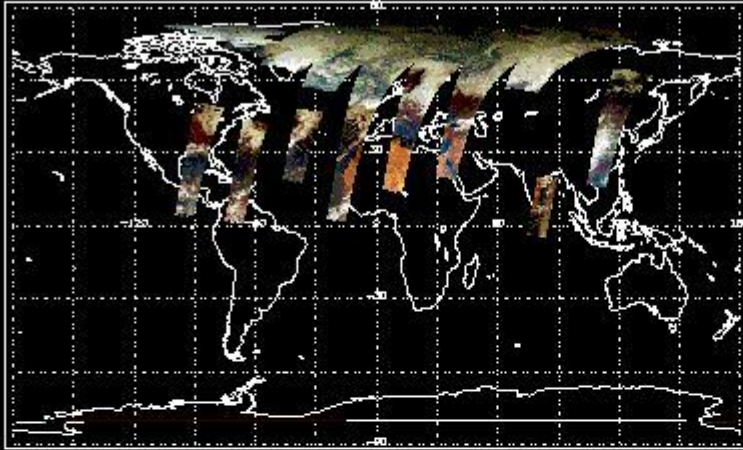
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 07-OCT-2009 01:04:04.504 : ORBIT : 75622.0510
 Last Product : 07-OCT-2009 23:12:57.618 : ORBIT : 75635.2607
 Total Products Processed : 14787 Day : 280 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	16:29:47.250	--	75631	Y	--	15247

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

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

(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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

01:00 05-Sep	--	75164	--
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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