

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-SEP-2009
Start Time of First Product	07:13:20
Stop Time of Last Product	23:48:02
Number of EGOI Products analysed	14
Number of corrupted products	--
Anomalies and/or Special Operations	Due to a problem in the ground segment many data are missing

1.2 - List of received products

Name	Date	Time
EGOI_090926KSEP4879.E2	26-SEP-2009	07:13:20.273
EGOI_090926KSEP4904.E2	26-SEP-2009	08:53:19.382
EGOI_090926KSEP4931.E2	26-SEP-2009	10:32:58.987
EGOI_090926KSEP4961.E2	26-SEP-2009	12:12:25.093
EGOI_090926KSEP4977.E2	26-SEP-2009	13:51:24.194
EGOI_090926KSEP5005.E2	26-SEP-2009	15:29:47.296
EGOI_090926KSEP5022.E2	26-SEP-2009	17:07:13.390
EGOI_090926KSEP5056.E2	26-SEP-2009	18:45:15.487
EGOI_090926KSEP5092.E2	26-SEP-2009	20:24:20.589

EGOI_090926KSEP5123.E2	26-SEP-2009	22:05:54.267
EGOI_090926MAEP4258.E2	26-SEP-2009	09:00:43.429
EGOI_090926MAEP4267.E2	26-SEP-2009	10:40:29.034
EGOI_090926MSEP8382.E2	26-SEP-2009	21:56:45.209
EGOI_090926MSEP8413.E2	26-SEP-2009	23:34:50.310

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75468	26-SEP-2009	07:11:16.174	07:13:20.273	124.09900
KS	75469	26-SEP-2009	08:50:45.600	08:53:19.382	153.78200
KS	75470	26-SEP-2009	10:30:22.936	10:32:58.987	156.05100
KS	75471	26-SEP-2009	12:09:48.275	12:12:25.092	156.81700
KS	75472	26-SEP-2009	13:48:43.190	13:51:24.194	161.00400
KS	75473	26-SEP-2009	15:26:52.610	15:29:47.295	174.68500
KS	75474	26-SEP-2009	17:04:34.641	17:07:13.390	158.74900
KS	75475	26-SEP-2009	18:42:44.051	18:45:15.487	151.43600
KS	75476	26-SEP-2009	20:22:13.380	20:24:20.589	127.20900
KS	75477	26-SEP-2009	22:03:42.046	22:05:54.266	132.22000
KS	75478	26-SEP-2009	23:48:06.102	23:49:44.399	98.297000
MS	75477	26-SEP-2009	21:54:32.068	21:56:45.208	133.14000
MS	75478	26-SEP-2009	23:32:05.795	23:34:50.310	164.51500
MS	75464	26-SEP-2009	00:04:07.178	00:06:26.715	139.53700
MS	75470	26-SEP-2009	10:44:06.299	10:46:45.617	159.31800
MA	75470	26-SEP-2009	10:38:24.000	10:40:29.034	125.03400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75464	26-SEP-2009	00:58:16.112	01:11:47.916	811.80400
MM	75464	26-SEP-2009	01:10:07.273	01:20:25.892	618.61900
KS	75464	26-SEP-2009	00:22:22.250	00:24:51.688	149.43800
BE	75465	26-SEP-2009	02:16:33.577	02:29:09.378	755.80100
MM	75465	26-SEP-2009	02:52:50.239	03:00:52.465	482.22600
MI	75465	26-SEP-2009	01:50:00.768	01:55:47.959	347.19100
GS	75465	26-SEP-2009	01:51:06.167	02:03:52.492	766.32500
SG	75465	26-SEP-2009	02:28:42.789	02:40:03.086	680.29700

BE	75466	26-SEP-2009	03:55:58.945	04:08:18.211	739.26600
MM	75466	26-SEP-2009	04:35:54.344	04:41:56.343	361.99900
MI	75466	26-SEP-2009	03:24:45.761	03:38:08.415	802.65400
GS	75466	26-SEP-2009	03:29:57.217	03:43:27.730	810.51300
SG	75466	26-SEP-2009	04:07:03.378	04:19:55.306	771.92800
CM	75466	26-SEP-2009	03:24:25.501	03:35:43.190	677.68900
CM	75466	26-SEP-2009	05:04:20.722	05:14:15.472	594.75000
MM	75467	26-SEP-2009	06:18:02.000	06:24:16.920	374.92000
MI	75467	26-SEP-2009	05:08:10.370	05:14:07.619	357.24900
MM	75468	26-SEP-2009	07:58:57.476	08:07:22.304	504.82800
JO	75468	26-SEP-2009	07:36:25.379	07:50:43.345	857.96600
MM	75469	26-SEP-2009	09:39:20.383	09:49:57.117	636.73400
JO	75469	26-SEP-2009	09:16:19.944	09:29:29.168	789.22400
MM	75470	26-SEP-2009	11:19:27.354	11:31:30.248	722.89400
MM	75471	26-SEP-2009	12:59:20.864	13:12:00.547	759.68300
MS	75471	26-SEP-2009	12:23:00.975	12:35:28.160	747.18500
HO	75472	26-SEP-2009	14:48:25.320	14:58:21.870	596.55000
MM	75472	26-SEP-2009	14:38:59.458	14:51:41.690	762.23200
GS	75472	26-SEP-2009	14:01:36.446	14:09:31.191	474.74500
SG	75472	26-SEP-2009	15:02:19.957	15:15:51.285	811.32800
BE	75473	26-SEP-2009	15:13:27.413	15:25:05.069	697.65600
MM	75473	26-SEP-2009	16:18:21.715	16:30:55.288	753.57300
MI	75473	26-SEP-2009	15:44:57.452	15:58:14.517	797.06500
GS	75473	26-SEP-2009	15:39:02.484	15:52:52.731	830.24700
SG	75473	26-SEP-2009	16:43:27.275	16:52:55.593	568.31800
CM	75473	26-SEP-2009	15:48:12.409	15:59:36.668	684.25900
MM	75474	26-SEP-2009	17:57:31.423	18:10:04.132	752.70900
MI	75474	26-SEP-2009	17:25:57.650	17:34:48.064	530.41400
GS	75474	26-SEP-2009	17:18:55.845	17:30:53.403	717.55800
CM	75474	26-SEP-2009	17:28:03.522	17:37:52.548	589.02600
MM	75475	26-SEP-2009	19:36:42.586	19:49:23.707	761.12100
JO	75475	26-SEP-2009	19:56:31.193	20:10:19.132	827.93900
MM	75476	26-SEP-2009	21:16:17.710	21:28:59.570	761.86000
MA	75476	26-SEP-2009	20:14:47.162	20:28:33.971	826.80900
JO	75476	26-SEP-2009	21:35:43.013	21:49:33.650	830.63700
HO	75477	26-SEP-2009	22:48:03.693	23:01:09.896	786.20300

MM	75477	26-SEP-2009	22:56:39.110	23:08:50.883	731.77300
MA	75477	26-SEP-2009	21:55:51.158	22:07:08.377	677.21900
HO	75464	26-SEP-2009	00:58:16.112	01:11:47.916	811.80400
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CM	75466	26-SEP-2009	05:04:20.722	05:14:15.472	594.75000
MM	75467	26-SEP-2009	06:18:02.000	06:24:16.920	374.92000
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MM	75468	26-SEP-2009	07:58:57.476	08:07:22.304	504.82800
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MM	75469	26-SEP-2009	09:39:20.383	09:49:57.117	636.73400
JO	75469	26-SEP-2009	09:16:19.944	09:29:29.168	789.22400
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HO	75472	26-SEP-2009	14:48:25.320	14:58:21.870	596.55000
MM	75472	26-SEP-2009	14:38:59.458	14:51:41.690	762.23200
GS	75472	26-SEP-2009	14:01:36.446	14:09:31.191	474.74500
SG	75472	26-SEP-2009	15:02:19.957	15:15:51.285	811.32800
BE	75473	26-SEP-2009	15:13:27.413	15:25:05.069	697.65600
MM	75473	26-SEP-2009	16:18:21.715	16:30:55.288	753.57300
MI	75473	26-SEP-2009	15:44:57.452	15:58:14.517	797.06500
GS	75473	26-SEP-2009	15:39:02.484	15:52:52.731	830.24700
SG	75473	26-SEP-2009	16:43:27.275	16:52:55.593	568.31800
CM	75473	26-SEP-2009	15:48:12.409	15:59:36.668	684.25900

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MI	75474	26-SEP-2009	17:25:57.650	17:34:48.064	530.41400
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CM	75474	26-SEP-2009	17:28:03.522	17:37:52.548	589.02600
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MM	75477	26-SEP-2009	22:56:39.110	23:08:50.883	731.77300
MA	75477	26-SEP-2009	21:55:51.158	22:07:08.377	677.21900

[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	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)

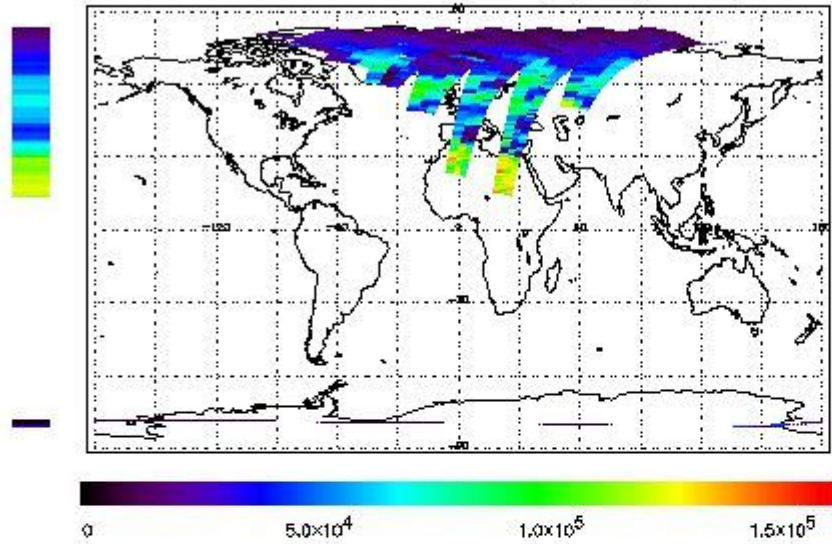
2.2 - Daily Plots

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

First Product : 26-SEP-2009 07:13:20.273 : ORBIT : 75468.2645
 Last Product : 26-SEP-2009 23:48:02.392 : ORBIT : 75478.1523
 Total Products Processed : 7319 Day : 269 Page : 21

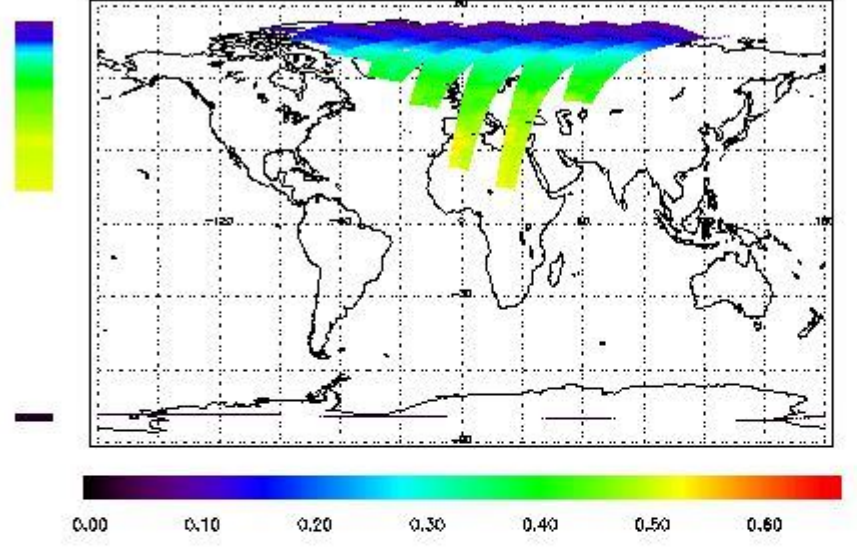
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

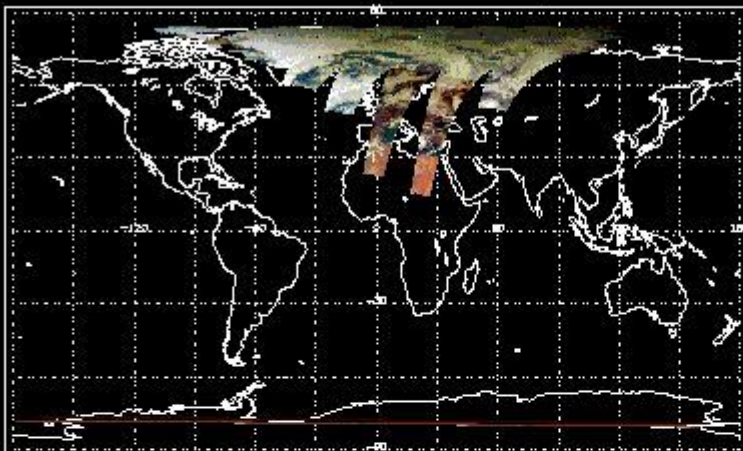
First Product : 26-SEP-2009 07:13:20.273 : ORBIT : 75468.2645
Last Product : 26-SEP-2009 23:48:02.392 : ORBIT : 75478.1523
Total Products Processed : 7319 Day : 269

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

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	18:55:09.540	--	75475	Y	--	15160

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

(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](#)]

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)
--	--	--

(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
--	--	--	--

01:00 05-Sep	--	75164	--
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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