

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-OCT-2009
Start Time of First Product	00:30:13
Stop Time of Last Product	22:31:51
Number of EGOI Products analysed	19
Number of corrupted products	--
Anomalies and/or Special Operations	No solar calibration measurements available due to missing data; many data are missing due to a Ground Segment dissemination problem

1.2 - List of received products

Name	Date	Time
EGOI_091008BEEP0857.E2	08-OCT-2009	02:41:42.391
EGOI_091008BEEP0863.E2	08-OCT-2009	04:21:46.002
EGOI_091008GSEP0251.E2	08-OCT-2009	02:15:13.731
EGOI_091008GSEP0278.E2	08-OCT-2009	03:55:20.341
EGOI_091008GSEP0286.E2	08-OCT-2009	05:37:53.968
EGOI_091008KSEP8185.E2	08-OCT-2009	07:36:05.188
EGOI_091008KSEP8207.E2	08-OCT-2009	09:16:07.300
EGOI_091008KSEP8237.E2	08-OCT-2009	10:55:45.407
EGOI_091008KSEP8265.E2	08-OCT-2009	12:35:04.014

EGOI_091008MAEP4651.E2	08-OCT-2009	09:24:02.850
EGOI_091008MAEP4662.E2	08-OCT-2009	11:03:21.458
EGOI_091008MAEP4681.E2	08-OCT-2009	22:21:19.602
EGOI_091008MIEP0915.E2	08-OCT-2009	17:52:49.456
EGOI_091008MSEP9818.E2	08-OCT-2009	00:30:13.089
EGOI_091008MSEP9838.E2	08-OCT-2009	11:08:57.493
EGOI_091008SGEP0232.E2	08-OCT-2009	02:53:06.462
EGOI_091008SGEP0240.E2	08-OCT-2009	04:32:59.573
EGOI_091008SGEP0249.E2	08-OCT-2009	13:52:28.488
EGOI_091008SGEP0255.E2	08-OCT-2009	15:27:14.067
EGOI_091008SGEP0265.E2	08-OCT-2009	17:12:29.714

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75640	08-OCT-2009	07:33:58.189	07:36:05.188	126.99900
KS	75641	08-OCT-2009	09:13:32.029	09:16:07.299	155.27000
KS	75642	08-OCT-2009	10:53:08.112	10:55:45.406	157.29400
GS	75637	08-OCT-2009	02:13:44.243	02:15:13.731	89.488000
GS	75638	08-OCT-2009	03:53:12.548	03:55:20.341	127.79300
MS	75636	08-OCT-2009	00:27:59.638	00:30:13.088	133.45000
MS	75642	08-OCT-2009	11:06:16.453	11:08:57.492	161.03900
MA	75641	08-OCT-2009	09:21:42.943	09:24:02.849	139.90600
MA	75642	08-OCT-2009	11:01:59.393	11:03:21.457	82.064000
MI	75646	08-OCT-2009	17:50:36.998	17:52:49.455	132.45700
BE	75637	08-OCT-2009	02:39:03.683	02:41:42.390	158.70700
BE	75638	08-OCT-2009	04:19:03.293	04:21:46.001	162.70800
SG	75637	08-OCT-2009	02:50:32.518	02:53:06.461	153.94300
SG	75638	08-OCT-2009	04:30:32.869	04:32:59.573	146.70400
SG	75644	08-OCT-2009	15:24:48.380	15:27:14.066	145.68600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75635	07-OCT-2009	23:51:33.078	00:03:09.034	695.95600
HO	75636	08-OCT-2009	01:21:35.978	01:34:05.739	749.76100
MM	75636	08-OCT-2009	01:33:31.360	01:43:21.533	590.17300
MM	75637	08-OCT-2009	03:16:24.296	03:23:53.884	449.58800
MI	75637	08-OCT-2009	02:10:33.304	02:20:02.943	569.63900

CM	75637	08-OCT-2009	03:46:34.647	03:58:46.718	732.07100
MM	75638	08-OCT-2009	04:59:22.523	05:05:12.269	349.74600
MI	75638	08-OCT-2009	03:47:33.378	04:00:44.762	791.38400
MM	75639	08-OCT-2009	06:41:10.867	06:47:49.988	399.12100
KS	75639	08-OCT-2009	05:55:25.695	05:59:51.163	265.46800
CM	75639	08-OCT-2009	05:28:48.352	05:35:21.595	393.24300
JO	75639	08-OCT-2009	06:24:28.245	06:31:10.045	401.80000
MM	75640	08-OCT-2009	08:21:56.032	08:30:53.622	537.59000
JO	75640	08-OCT-2009	07:58:43.929	08:13:37.788	893.85900
MM	75641	08-OCT-2009	10:02:14.598	10:13:15.638	661.04000
JO	75641	08-OCT-2009	09:40:13.467	09:51:17.564	664.09700
MM	75642	08-OCT-2009	11:42:18.510	11:54:33.821	735.31100
MM	75643	08-OCT-2009	13:22:08.792	13:34:51.308	762.51600
KS	75643	08-OCT-2009	12:32:28.231	12:45:23.448	775.21700
MS	75643	08-OCT-2009	12:46:07.456	12:57:21.995	674.53900
BE	75644	08-OCT-2009	13:55:39.818	14:09:01.521	801.70300
HO	75644	08-OCT-2009	15:11:46.177	15:20:07.173	500.99600
MM	75644	08-OCT-2009	15:01:43.699	15:14:24.077	760.37800
MI	75644	08-OCT-2009	14:31:02.331	14:38:14.668	432.33700
KS	75644	08-OCT-2009	14:11:20.850	14:23:06.102	705.25200
GS	75644	08-OCT-2009	14:23:23.081	14:33:54.856	631.77500
BE	75645	08-OCT-2009	15:37:19.775	15:47:07.320	587.54500
MM	75645	08-OCT-2009	16:41:02.416	16:53:34.712	752.29600
MI	75645	08-OCT-2009	16:07:36.933	16:20:57.434	800.50100
KS	75645	08-OCT-2009	15:49:13.278	16:01:07.026	713.74800
GS	75645	08-OCT-2009	16:01:44.304	16:15:39.974	835.67000
CM	75645	08-OCT-2009	16:10:29.861	16:22:45.378	735.51700
MM	75646	08-OCT-2009	18:20:10.840	18:32:45.034	754.19400
KS	75646	08-OCT-2009	17:27:07.315	17:39:53.421	766.10600
GS	75646	08-OCT-2009	17:42:00.277	17:52:38.447	638.17000
CM	75646	08-OCT-2009	17:52:06.469	17:58:48.457	401.98800
MM	75647	08-OCT-2009	19:59:25.344	20:12:08.148	762.80400
MA	75647	08-OCT-2009	19:03:23.959	19:08:50.709	326.75000
KS	75647	08-OCT-2009	19:05:19.881	19:19:14.214	834.33300
JO	75647	08-OCT-2009	20:18:50.943	20:33:32.234	881.29100
MM	75648	08-OCT-2009	21:39:09.257	21:51:47.739	758.48200

MA	75648	08-OCT-2009	20:37:14.899	20:50:54.837	819.93800
KS	75648	08-OCT-2009	20:45:13.180	20:58:50.493	817.31300
JO	75648	08-OCT-2009	21:58:56.322	22:11:21.165	744.84300
HO	75649	08-OCT-2009	23:10:12.849	23:24:04.417	831.56800
MM	75649	08-OCT-2009	23:19:43.723	23:31:42.270	718.54700
MS	75649	08-OCT-2009	22:16:13.188	22:28:09.110	715.92200
KS	75649	08-OCT-2009	22:27:14.979	22:38:23.919	668.94000
MS	75650	08-OCT-2009	23:55:18.549	00:07:42.128	743.57900

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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

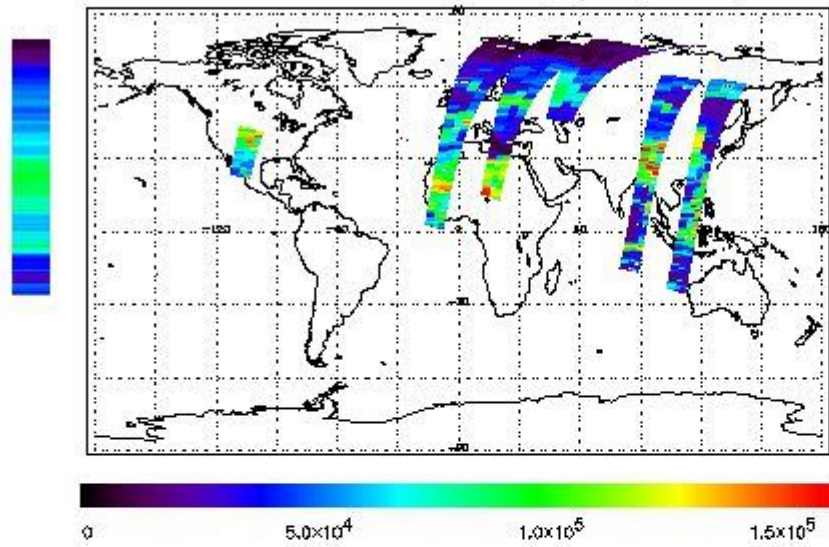
2.2 - Daily Plots

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

F1ret Product : 08-OCT-2009 00:30:13.089 : ORBIT : 75636.0287
 Last Product : 08-OCT-2009 22:31:51.184 : ORBIT : 75849.1664
 Total Products Processed : 8663 Day : 281 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

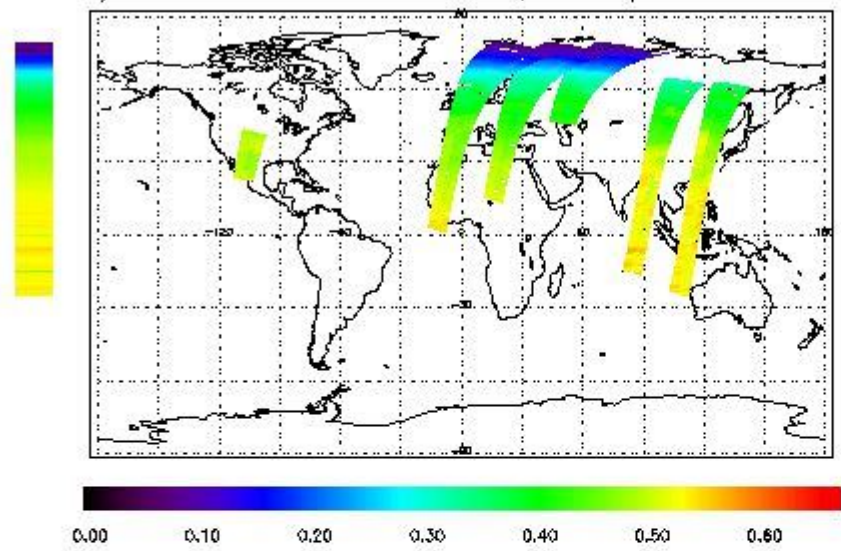
First Product : 08-OCT-2009 00:30:13.089 : ORBIT : 75636.0287

Last Product : 08-OCT-2009 22:31:51.164 : ORBIT : 75649.1664

Total Products Processed : 8663 Day : 281

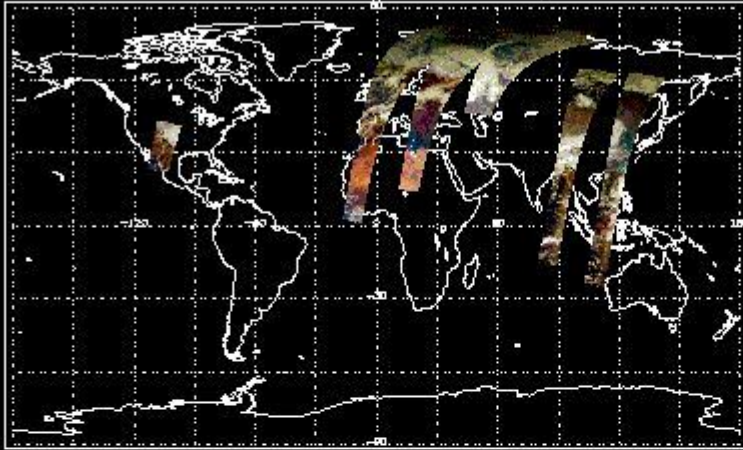
Page : 20

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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
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3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

[Additional Info](#)

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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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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