

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-NOV-2010
Start Time of First Product	23:42:59 (07-Nov)
Stop Time of Last Product	23:35:34
Number of EGOI Products analysed	36
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101108CMEP1511.E2	08-NOV-2010	04:44:49.211
EGOI_101108CMEP1521.E2	08-NOV-2010	15:27:36.680
EGOI_101108CMEP1525.E2	08-NOV-2010	17:06:10.295
EGOI_101108KSEP8370.E2	07-NOV-2010	23:59:30.948
EGOI_101108KSEP8385.E2	08-NOV-2010	06:50:19.985
EGOI_101108KSEP8404.E2	08-NOV-2010	08:30:26.604
EGOI_101108KSEP8423.E2	08-NOV-2010	10:10:06.224
EGOI_101108KSEP8443.E2	08-NOV-2010	11:49:39.835
EGOI_101108KSEP8459.E2	08-NOV-2010	13:28:37.451

EGOI_101108KSEP8484.E2	08-NOV-2010	15:07:14.055
EGOI_101108KSEP8502.E2	08-NOV-2010	16:44:50.659
EGOI_101108KSEP8531.E2	08-NOV-2010	18:22:43.770
EGOI_101108KSEP8560.E2	08-NOV-2010	20:01:24.874
EGOI_101108KSEP8589.E2	08-NOV-2010	21:42:22.502
EGOI_101108KSEP8605.E2	08-NOV-2010	23:26:14.144
EGOI_101108MAEP9439.E2	08-NOV-2010	08:43:53.690
EGOI_101108MAEP9448.E2	08-NOV-2010	10:19:48.278
EGOI_101108MIEP5304.E2	08-NOV-2010	03:04:41.092
EGOI_101108MIEP5330.E2	08-NOV-2010	04:45:34.219
EGOI_101108MIEP5341.E2	08-NOV-2010	15:24:53.164
EGOI_101108MIEP5364.E2	08-NOV-2010	17:04:40.284
EGOI_101108MMEP8248.E2	08-NOV-2010	02:30:28.881
EGOI_101108MMEP8259.E2	08-NOV-2010	10:57:57.514
EGOI_101108MMEP8267.E2	08-NOV-2010	14:18:01.753
EGOI_101108MMEP8274.E2	08-NOV-2010	17:37:34.488
EGOI_101108MMEP8281.E2	08-NOV-2010	19:16:18.596
EGOI_101108MMEP8289.E2	08-NOV-2010	20:55:19.208
EGOI_101108MSEP5708.E2	07-NOV-2010	23:42:59.347
EGOI_101108MSEP5733.E2	08-NOV-2010	10:24:43.811
EGOI_101108MSEP5762.E2	08-NOV-2010	12:02:33.914
EGOI_101108MSEP5775.E2	08-NOV-2010	13:45:15.050
EGOI_101108MSEP5799.E2	08-NOV-2010	21:35:14.955
EGOI_101108MSEP5831.E2	08-NOV-2010	23:11:32.050
EGOI_101108SGEP9237.E2	08-NOV-2010	02:09:34.752
EGOI_101108SGEP9243.E2	08-NOV-2010	03:46:02.347
EGOI_101108SGEP9251.E2	08-NOV-2010	14:44:25.922

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81304	07-NOV-2010	23:57:17.100	23:59:30.948	133.84800
KS	81308	08-NOV-2010	06:48:37.306	06:50:19.984	102.67800
KS	81309	08-NOV-2010	08:27:59.479	08:30:26.604	147.12500
KS	81310	08-NOV-2010	10:07:37.143	10:10:06.223	149.08000
KS	81311	08-NOV-2010	11:47:06.734	11:49:39.835	153.10100
KS	81312	08-NOV-2010	13:26:10.317	13:28:37.451	147.13400
KS	81313	08-NOV-2010	15:04:40.378	15:07:14.054	153.67600
KS	81314	08-NOV-2010	16:42:16.754	16:44:50.658	153.90400
KS	81315	08-NOV-2010	18:20:12.469	18:22:43.769	151.30000
KS	81316	08-NOV-2010	19:59:19.788	20:01:24.874	125.08600
KS	81317	08-NOV-2010	21:40:17.748	21:42:22.501	124.75300

KS	81318	08-NOV-2010	23:23:52.106	23:26:14.144	142.03800
MS	81310	08-NOV-2010	10:22:09.936	10:24:43.811	153.87500
MS	81311	08-NOV-2010	12:00:02.601	12:02:33.913	151.31200
MS	81318	08-NOV-2010	23:09:13.940	23:11:32.050	138.11000
MA	81309	08-NOV-2010	08:36:49.283	08:43:53.690	424.40700
MA	81310	08-NOV-2010	10:15:42.577	10:19:48.277	245.70000
MA	81310	08-NOV-2010	10:26:52.820	10:28:11.641	78.821000
MI	81306	08-NOV-2010	03:02:18.191	03:04:41.091	142.90000
MI	81307	08-NOV-2010	04:43:19.249	04:45:34.219	134.97000
MI	81313	08-NOV-2010	15:22:32.310	15:24:53.164	140.85400
MI	81314	08-NOV-2010	17:02:20.787	17:04:40.284	139.49700
MM	81305	08-NOV-2010	02:29:17.535	02:30:28.881	71.346000
MM	81310	08-NOV-2010	10:56:35.504	10:57:57.514	82.010000
MM	81312	08-NOV-2010	14:16:14.344	14:18:01.753	107.40900
MM	81312	08-NOV-2010	14:23:39.288	14:28:57.862	318.57400
MM	81314	08-NOV-2010	17:34:52.043	17:37:34.487	162.44400
MM	81315	08-NOV-2010	19:14:01.084	19:16:18.596	137.51200
MM	81316	08-NOV-2010	20:53:28.613	20:55:19.207	110.59400
SG	81305	08-NOV-2010	02:07:37.321	02:09:34.751	117.43000
SG	81306	08-NOV-2010	03:43:59.166	03:46:02.347	123.18100
SG	81312	08-NOV-2010	14:40:14.108	14:44:25.922	251.81400
CM	81313	08-NOV-2010	15:26:21.970	15:27:36.679	74.709000
CM	81314	08-NOV-2010	17:04:40.590	17:06:10.294	89.704000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81304	08-NOV-2010	00:34:57.872	00:49:22.126	864.25400
MM	81304	08-NOV-2010	00:46:46.429	00:57:31.112	644.68300
BE	81305	08-NOV-2010	01:54:15.453	02:05:40.707	685.25400
GS	81305	08-NOV-2010	01:29:07.978	01:40:53.430	705.45200
BE	81306	08-NOV-2010	03:33:02.942	03:46:05.897	782.95500
MM	81306	08-NOV-2010	04:12:22.875	04:18:44.839	381.96400
GS	81306	08-NOV-2010	03:06:58.009	03:20:50.594	832.58500
CM	81306	08-NOV-2010	03:02:46.603	03:12:16.326	569.72300
CM	81306	08-NOV-2010	04:40:45.970	04:52:20.370	694.40000

MM	81307	08-NOV-2010	05:54:49.150	06:00:46.355	357.20500
MM	81308	08-NOV-2010	07:35:57.359	07:43:49.141	471.78200
JO	81308	08-NOV-2010	07:14:27.026	07:27:36.796	789.77000
MM	81309	08-NOV-2010	09:16:25.385	09:26:35.264	609.87900
JO	81309	08-NOV-2010	08:52:56.151	09:07:17.220	861.06900
MM	81311	08-NOV-2010	12:36:32.166	12:49:07.196	755.03000
HO	81312	08-NOV-2010	14:25:15.847	14:37:34.585	738.73800
SG	81312	08-NOV-2010	14:40:14.108	14:52:39.948	745.84000
BE	81313	08-NOV-2010	14:50:02.059	15:02:44.923	762.86400
MM	81313	08-NOV-2010	15:55:40.303	16:08:15.654	755.35100
GS	81313	08-NOV-2010	15:16:26.450	15:29:50.877	804.42700
GS	81314	08-NOV-2010	16:55:57.761	17:08:52.620	774.85900
JO	81315	08-NOV-2010	19:34:30.297	19:46:40.985	730.68800
MA	81316	08-NOV-2010	19:52:34.106	20:05:33.336	779.23000
JO	81316	08-NOV-2010	21:12:43.223	21:27:24.103	880.88000
HO	81317	08-NOV-2010	22:26:09.191	22:38:14.781	725.59000
MM	81317	08-NOV-2010	22:33:37.767	22:46:00.198	742.43100
MA	81317	08-NOV-2010	21:31:52.264	21:44:50.584	778.32000

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1.5 - List of corrupted products

Station	Orbit	Time
MI	81313	15:36:45.738

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

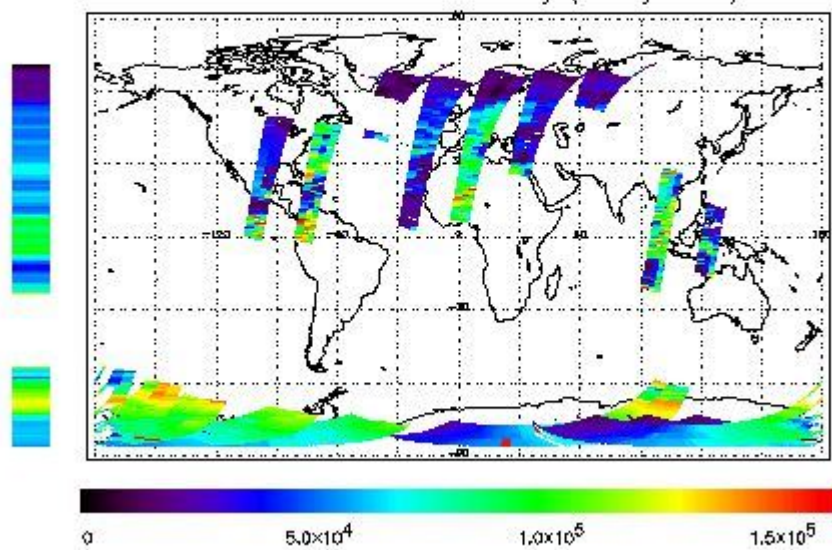
2.2 - Daily Plots

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 : 07-NOV-2010 23:42:59.347 : ORBIT : 81304.0164
 Last Product : 08-NOV-2010 23:35:33.688 : ORBIT : 81318.2568
 Total Products Processed : 18011 Day : 312 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

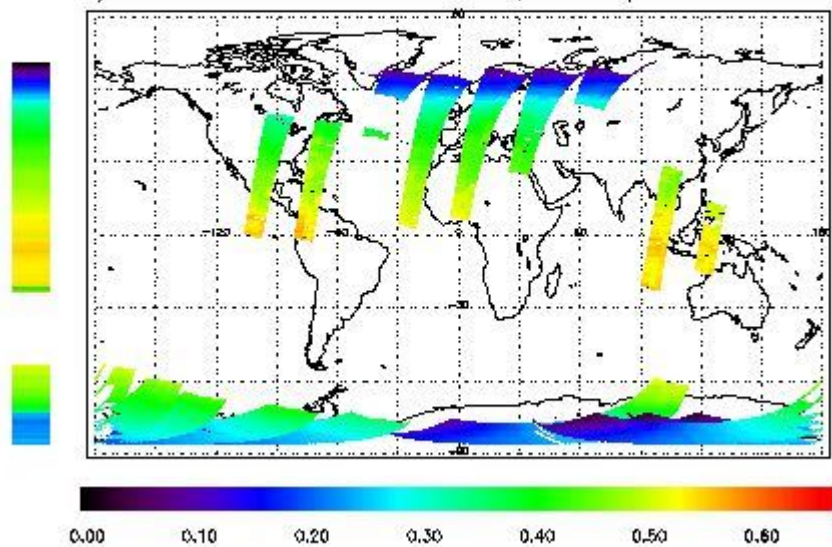
First Product : 07-NOV-2010 23:42:59.347 : ORBIT : 81304.0164

Last Product : 08-NOV-2010 23:35:33.698 : ORBIT : 81318.2568

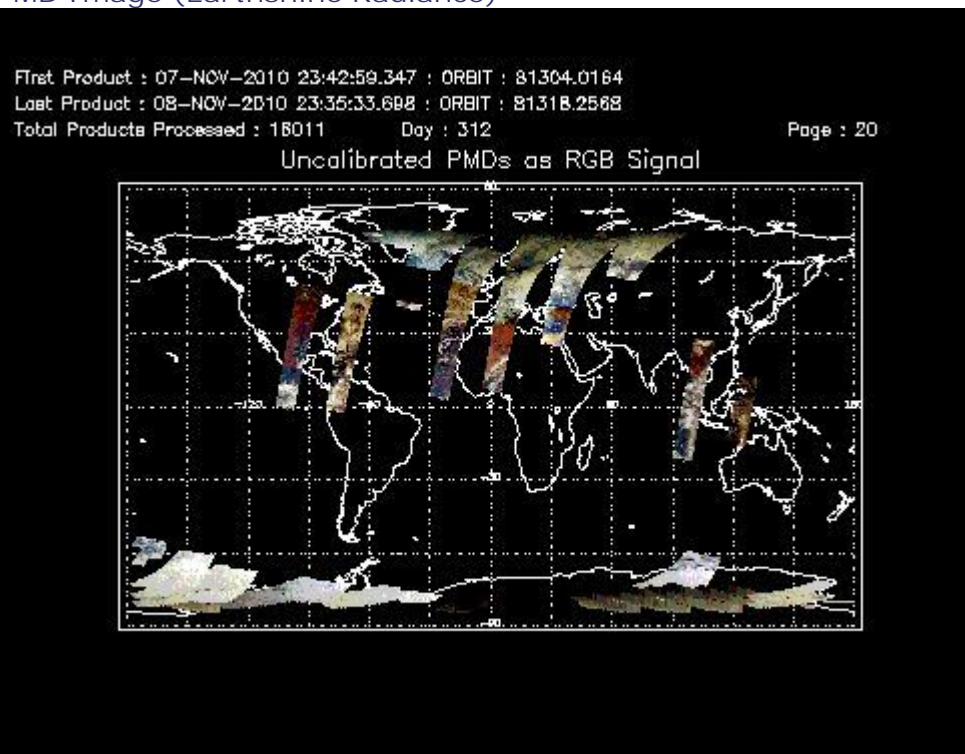
Total Products Processed : 18011 Day : 312

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	11:54:09.862	--	81311	Yes	--	15562

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
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(1) The 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