

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-NOV-2010
Start Time of First Product	00:00:30
Stop Time of Last Product	23:42:18
Number of EGOI Products analysed	26
Number of corrupted products	--
Anomalies and/or Special Operations	No solar calibration measurements available due to missing data

1.2 - List of received products

Name	Date	Time
EGOI_101117CMEP1783.E2	17-NOV-2010	03:20:25.694
EGOI_101117CMEP1794.E2	17-NOV-2010	05:03:00.825
EGOI_101117CMEP1801.E2	17-NOV-2010	15:44:15.303
EGOI_101117CMEP1811.E2	17-NOV-2010	17:23:36.915
EGOI_101117KSEP0631.E2	17-NOV-2010	07:07:31.603
EGOI_101117KSEP0649.E2	17-NOV-2010	08:47:33.719
EGOI_101117KSEP0666.E2	17-NOV-2010	10:34:40.382
EGOI_101117KSEP0706.E2	17-NOV-2010	12:06:37.950
EGOI_101117KSEP0734.E2	17-NOV-2010	13:45:38.566

EGOI_101117KSEP0759.E2	17-NOV-2010	15:24:09.174
EGOI_101117KSEP0784.E2	17-NOV-2010	17:01:35.278
EGOI_101117KSEP0815.E2	17-NOV-2010	18:39:32.890
EGOI_101117KSEP0841.E2	17-NOV-2010	20:18:29.005
EGOI_101117KSEP0869.E2	17-NOV-2010	21:59:53.628
EGOI_101117MAEP9781.E2	17-NOV-2010	08:55:03.762
EGOI_101117MAEP9799.E2	17-NOV-2010	10:34:38.881
EGOI_101117MAEP9819.E2	17-NOV-2010	20:11:49.961
EGOI_101117MSEP6787.E2	17-NOV-2010	00:00:30.456
EGOI_101117MSEP6809.E2	17-NOV-2010	10:41:16.422
EGOI_101117MSEP6834.E2	17-NOV-2010	12:19:54.537
EGOI_101117MSEP6862.E2	17-NOV-2010	21:50:53.574
EGOI_101117MSEP6895.E2	17-NOV-2010	23:28:39.177
EGOI_101117SGEP9464.E2	17-NOV-2010	02:25:23.850
EGOI_101117SGEP9470.E2	17-NOV-2010	04:03:36.457
EGOI_101117SGEP9478.E2	17-NOV-2010	15:00:21.032
EGOI_101117SGEP9485.E2	17-NOV-2010	16:40:15.649

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81437	17-NOV-2010	07:05:36.099	07:07:31.603	115.50400
KS	81438	17-NOV-2010	08:45:04.031	08:47:33.718	149.68700
KS	81439	17-NOV-2010	10:24:41.540	10:34:40.381	598.84100
KS	81440	17-NOV-2010	12:04:08.030	12:06:37.949	149.91900
KS	81441	17-NOV-2010	13:43:05.164	13:45:38.565	153.40100
KS	81442	17-NOV-2010	15:21:17.211	15:24:09.174	171.96300
KS	81443	17-NOV-2010	16:58:59.510	17:01:35.278	155.76800
KS	81444	17-NOV-2010	18:37:05.779	18:39:32.890	147.11100
KS	81445	17-NOV-2010	20:16:29.417	20:18:29.005	119.58800
KS	81446	17-NOV-2010	21:57:50.195	21:59:53.627	123.43200
MS	81433	16-NOV-2010	23:58:14.332	00:00:30.455	136.12300
MS	81439	17-NOV-2010	10:38:37.295	10:41:16.421	159.12600
MS	81440	17-NOV-2010	12:17:16.660	12:19:54.537	157.87700
MS	81446	17-NOV-2010	21:49:11.634	21:50:53.574	101.94000
MS	81447	17-NOV-2010	23:26:20.993	23:28:39.177	138.18400
MA	81439	17-NOV-2010	10:32:42.188	10:34:38.880	116.69200
MA	81445	17-NOV-2010	20:09:12.497	20:11:49.960	157.46300
SG	81434	17-NOV-2010	02:23:20.997	02:25:23.849	122.85200
SG	81435	17-NOV-2010	04:01:15.269	04:03:36.457	141.18800

SG	81441	17-NOV-2010	14:56:46.183	15:00:21.031	214.84800
SG	81441	17-NOV-2010	15:04:22.555	15:10:05.589	343.03400
SG	81442	17-NOV-2010	16:37:24.529	16:40:15.648	171.11900
SG	81442	17-NOV-2010	16:44:35.172	16:47:39.549	184.37700
CM	81435	17-NOV-2010	03:18:57.507	03:20:25.693	88.186000
CM	81442	17-NOV-2010	15:42:41.747	15:44:15.302	93.555000
CM	81443	17-NOV-2010	17:22:10.176	17:23:36.915	86.739000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81433	17-NOV-2010	00:52:26.336	01:06:12.445	826.10900
MM	81433	17-NOV-2010	01:04:16.753	01:14:42.121	625.36800
KS	81433	17-NOV-2010	00:15:56.865	00:19:32.905	216.04000
BE	81434	17-NOV-2010	02:10:57.739	02:23:19.358	741.61900
MM	81434	17-NOV-2010	02:46:56.909	02:55:07.406	490.49700
MI	81434	17-NOV-2010	01:45:14.921	01:49:23.654	248.73300
GS	81434	17-NOV-2010	01:45:35.226	01:58:08.254	753.02800
BE	81435	17-NOV-2010	03:50:14.235	04:02:46.706	752.47100
MM	81435	17-NOV-2010	04:30:01.744	04:36:08.076	366.33200
MI	81435	17-NOV-2010	03:19:06.986	03:32:27.263	800.27700
GS	81435	17-NOV-2010	03:24:10.993	03:37:49.038	818.04500
MM	81436	17-NOV-2010	06:12:14.187	06:18:23.997	369.81000
MI	81436	17-NOV-2010	05:01:47.050	05:09:04.100	437.05000
MM	81437	17-NOV-2010	07:53:12.607	08:01:29.164	496.55700
JO	81437	17-NOV-2010	07:30:53.768	07:44:57.939	844.17100
MM	81438	17-NOV-2010	09:33:36.710	09:44:06.963	630.25300
JO	81438	17-NOV-2010	09:10:26.654	09:23:57.945	811.29100
HO	81439	17-NOV-2010	11:24:03.950	11:35:02.762	658.81200
MM	81439	17-NOV-2010	11:13:44.459	11:25:43.839	719.38000
HO	81440	17-NOV-2010	13:02:13.509	13:17:02.598	889.08900
MM	81440	17-NOV-2010	12:53:38.763	13:06:17.464	758.70100
HO	81441	17-NOV-2010	14:42:36.690	14:53:07.056	630.36600
MM	81441	17-NOV-2010	14:33:18.263	14:46:00.881	762.61800
GS	81441	17-NOV-2010	13:56:17.565	14:03:15.777	418.21200
SG	81441	17-NOV-2010	14:56:46.183	15:10:05.589	799.40600

BE	81442	17-NOV-2010	15:07:33.918	15:19:31.356	717.43800
MM	81442	17-NOV-2010	16:12:41.434	16:25:15.412	753.97800
MI	81442	17-NOV-2010	15:39:19.717	15:52:30.619	790.90200
GS	81442	17-NOV-2010	15:33:22.885	15:47:08.694	825.80900
MM	81443	17-NOV-2010	17:51:51.583	18:04:24.007	752.42400
MI	81443	17-NOV-2010	17:20:00.269	17:29:32.534	572.26500
GS	81443	17-NOV-2010	17:13:10.801	17:25:24.602	733.80100
MM	81444	17-NOV-2010	19:31:02.105	19:43:42.736	760.63100
JO	81444	17-NOV-2010	19:50:58.881	20:04:27.262	808.38100
MM	81445	17-NOV-2010	21:10:35.217	21:23:17.655	762.43800
JO	81445	17-NOV-2010	21:29:56.936	21:44:03.156	846.22000
HO	81446	17-NOV-2010	22:42:32.186	22:55:26.471	774.28500
MM	81446	17-NOV-2010	22:50:53.474	23:03:08.146	734.67200
MA	81446	17-NOV-2010	21:49:57.484	22:01:35.405	697.92100
KS	81447	17-NOV-2010	23:42:00.776	23:49:04.824	424.04800

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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	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

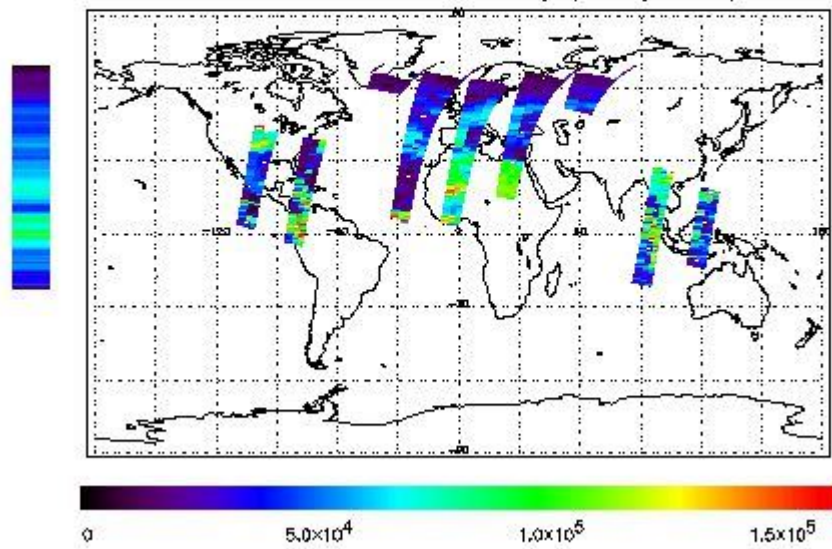
2.2 - Daily Plots

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 : 17-NOV-2010 00:00:30.456 : ORBIT : 81433.0191
 Last Product : 17-NOV-2010 23:42:18.283 : ORBIT : 81447.1524
 Total Products Processed : 11987 Day : 321 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

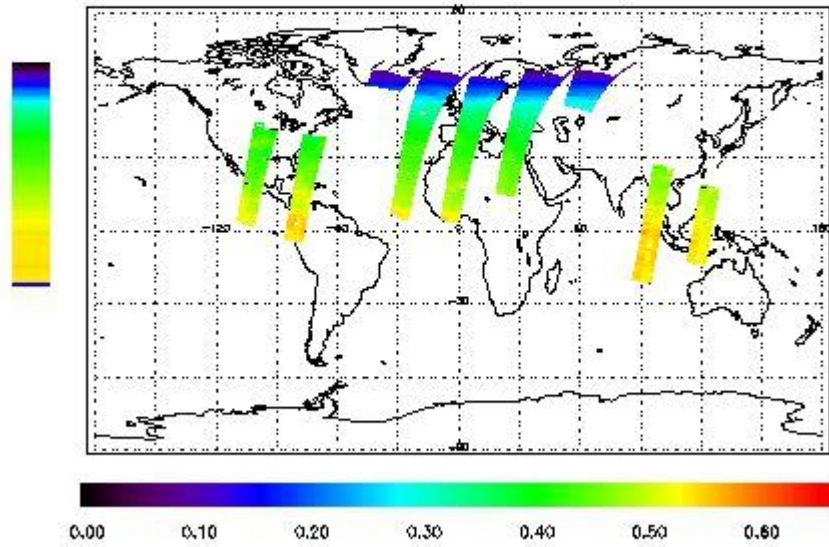


Ozone Line Ratio

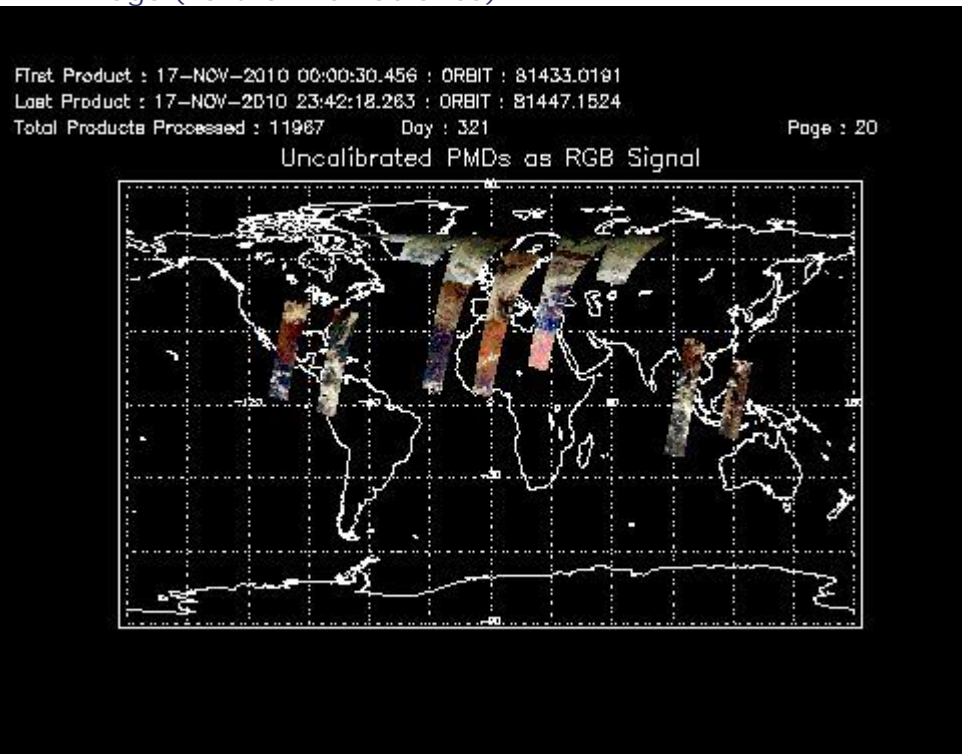
First Product : 17-NOV-2010 00:00:30.456 : ORBIT : 81433.0191
 Last Product : 17-NOV-2010 23:42:18.263 : ORBIT : 81447.1524
 Total Products Processed : 11987 Day : 321

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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)
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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
--	--	--

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
--	--	--	--	--

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