

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-NOV-2010
Start Time of First Product	23:54:43 (13-Nov)
Stop Time of Last Product	23:46:56
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 81398

1.2 - List of received products

Name	Date	Time
EGOI_101114CMEP1694.E2	14-NOV-2010	04:56:53.991
EGOI_101114CMEP1702.E2	14-NOV-2010	15:38:51.512
EGOI_101114CMEP1711.E2	14-NOV-2010	17:17:41.624
EGOI_101114KSEP0019.E2	14-NOV-2010	15:18:36.386
EGOI_101114KSEP0030.E2	14-NOV-2010	20:12:48.706
EGOI_101114KSEP0058.E2	14-NOV-2010	21:53:58.333
EGOI_101114KSEP0082.E2	14-NOV-2010	23:37:31.977
EGOI_101114KSEP9918.E2	14-NOV-2010	07:01:50.261
EGOI_101114KSEP9936.E2	14-NOV-2010	08:41:50.877

EGOI_101114KSEP9956.E2	14-NOV-2010	10:21:30.492
EGOI_101114KSEP9967.E2	14-NOV-2010	16:56:02.494
EGOI_101114KSEP9977.E2	14-NOV-2010	12:01:02.167
EGOI_101114KSEP9993.E2	14-NOV-2010	13:39:58.278
EGOI_101114KSEP9998.E2	14-NOV-2010	18:33:58.594
EGOI_101114MAEP9652.E2	14-NOV-2010	08:50:19.428
EGOI_101114MAEP9661.E2	14-NOV-2010	10:28:59.039
EGOI_101114MAEP9682.E2	14-NOV-2010	20:06:26.166
EGOI_101114MMEP8681.E2	14-NOV-2010	02:41:56.157
EGOI_101114MMEP8688.E2	14-NOV-2010	04:24:44.791
EGOI_101114MMEP8701.E2	14-NOV-2010	14:28:57.081
EGOI_101114MMEP8708.E2	14-NOV-2010	16:08:38.196
EGOI_101114MMEP8714.E2	14-NOV-2010	17:48:49.316
EGOI_101114MMEP8720.E2	14-NOV-2010	21:06:47.543
EGOI_101114MSEP6431.E2	13-NOV-2010	23:54:43.130
EGOI_101114MSEP6453.E2	14-NOV-2010	10:35:42.579
EGOI_101114MSEP6482.E2	14-NOV-2010	12:14:08.253
EGOI_101114MSEP6510.E2	14-NOV-2010	21:45:31.279
EGOI_101114MSEP6542.E2	14-NOV-2010	23:22:52.887
EGOI_101114SGEP9380.E2	14-NOV-2010	02:25:20.055
EGOI_101114SGEP9387.E2	14-NOV-2010	04:05:11.670
EGOI_101114SGEP9394.E2	14-NOV-2010	14:55:42.245
EGOI_101114SGEP9399.E2	14-NOV-2010	16:34:18.857

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81399	14-NOV-2010	15:15:45.519	15:18:36.386	170.86700
KS	81402	14-NOV-2010	20:10:45.835	20:12:48.706	122.87100
KS	81403	14-NOV-2010	21:51:58.868	21:53:58.332	119.46400
KS	81404	14-NOV-2010	23:35:56.767	23:37:31.977	95.210000
KS	81394	14-NOV-2010	06:59:56.240	07:01:50.260	114.02000
KS	81395	14-NOV-2010	08:39:22.484	08:41:50.877	148.39300
KS	81396	14-NOV-2010	10:19:00.105	10:21:30.491	150.38600
KS	81400	14-NOV-2010	16:53:24.458	16:56:02.493	158.03500
KS	81397	14-NOV-2010	11:58:27.689	12:01:02.166	154.47700
KS	81398	14-NOV-2010	13:37:27.035	13:39:58.277	151.24200
KS	81401	14-NOV-2010	18:31:27.763	18:33:58.594	150.83100
MS	81390	13-NOV-2010	23:52:23.175	23:54:43.129	139.95400
MS	81396	14-NOV-2010	10:33:07.043	10:35:42.578	155.53500
MS	81397	14-NOV-2010	12:11:30.018	12:14:08.252	158.23400

MS	81404	14-NOV-2010	23:20:37.435	23:22:52.887	135.45200
MA	81395	14-NOV-2010	08:47:50.090	08:50:19.428	149.33800
MA	81396	14-NOV-2010	10:27:01.876	10:28:59.038	117.16200
MA	81402	14-NOV-2010	20:03:38.755	20:06:26.165	167.41000
MM	81398	14-NOV-2010	14:27:37.011	14:28:57.081	80.070000
MM	81399	14-NOV-2010	16:07:01.105	16:08:38.195	97.090000
MM	81400	14-NOV-2010	17:46:11.744	17:48:49.316	157.57200
MM	81402	14-NOV-2010	21:04:52.871	21:06:47.543	114.67200
SG	81391	14-NOV-2010	02:18:02.263	02:25:20.054	437.79100
SG	81392	14-NOV-2010	03:55:28.580	04:05:11.670	583.09000
SG	81398	14-NOV-2010	14:51:13.875	14:55:42.245	268.37000
SG	81399	14-NOV-2010	16:31:25.165	16:34:18.857	173.69200
CM	81399	14-NOV-2010	15:37:12.912	15:38:51.512	98.600000
CM	81400	14-NOV-2010	17:16:18.726	17:17:41.624	82.898000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81390	14-NOV-2010	00:46:36.606	01:00:36.380	839.77400
MM	81390	14-NOV-2010	00:58:26.437	01:08:58.401	631.96400
KS	81390	14-NOV-2010	00:09:39.764	00:14:06.321	266.55700
BE	81391	14-NOV-2010	02:05:22.707	02:17:27.974	725.26700
GS	81391	14-NOV-2010	01:40:05.196	01:52:23.677	738.48100
BE	81392	14-NOV-2010	03:44:30.010	03:57:14.135	764.12500
MI	81392	14-NOV-2010	03:13:29.456	03:26:45.305	795.84900
GS	81392	14-NOV-2010	03:18:25.735	03:32:09.935	824.20000
CM	81392	14-NOV-2010	03:13:31.520	03:24:03.358	631.83800
CM	81392	14-NOV-2010	04:52:28.906	05:03:21.852	652.94600
MM	81393	14-NOV-2010	06:06:26.114	06:12:31.249	365.13500
MI	81393	14-NOV-2010	04:55:32.517	05:03:52.185	499.66800
MM	81394	14-NOV-2010	07:47:27.634	07:55:35.916	488.28200
JO	81394	14-NOV-2010	07:25:23.459	07:39:11.748	828.28900
MM	81395	14-NOV-2010	09:27:52.987	09:38:16.600	623.61300
JO	81395	14-NOV-2010	09:04:35.004	09:18:25.465	830.46100
HO	81396	14-NOV-2010	11:18:38.842	11:28:55.494	616.65200
MM	81396	14-NOV-2010	11:08:01.516	11:19:57.217	715.70100

HO	81397	14-NOV-2010	12:56:33.150	13:11:22.587	889.43700
MM	81397	14-NOV-2010	12:47:56.612	13:00:34.212	757.60000
HO	81398	14-NOV-2010	14:36:49.155	14:48:20.783	691.62800
SG	81398	14-NOV-2010	14:51:13.875	15:04:18.531	784.65600
BE	81399	14-NOV-2010	15:01:41.928	15:13:56.695	734.76700
MI	81399	14-NOV-2010	15:33:42.905	15:46:45.390	782.48500
GS	81399	14-NOV-2010	15:27:43.662	15:41:23.724	820.06200
MI	81400	14-NOV-2010	17:14:05.274	17:24:13.995	608.72100
GS	81400	14-NOV-2010	17:07:26.118	17:19:54.855	748.73700
MM	81401	14-NOV-2010	19:25:21.696	19:38:01.818	760.12200
JO	81401	14-NOV-2010	19:45:27.844	19:58:33.731	785.88700
JO	81402	14-NOV-2010	21:24:11.635	21:38:31.367	859.73200
HO	81403	14-NOV-2010	22:37:02.666	22:49:42.878	760.21200
MM	81403	14-NOV-2010	22:45:08.038	22:57:25.451	737.41300
MA	81403	14-NOV-2010	21:43:49.479	21:56:01.370	731.89100

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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

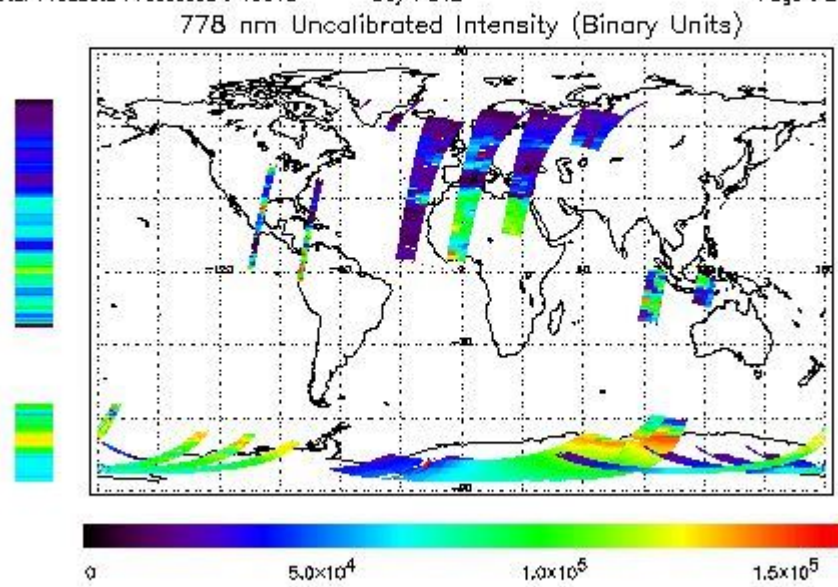
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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 : 13-NOV-2010 23:54:43.130 : ORBIT : 81390.0187
 Last Product : 14-NOV-2010 23:46:56.031 : ORBIT : 81404.2556
 Total Products Processed : 15048 Day : 318 Page : 21



Ozone Line Ratio

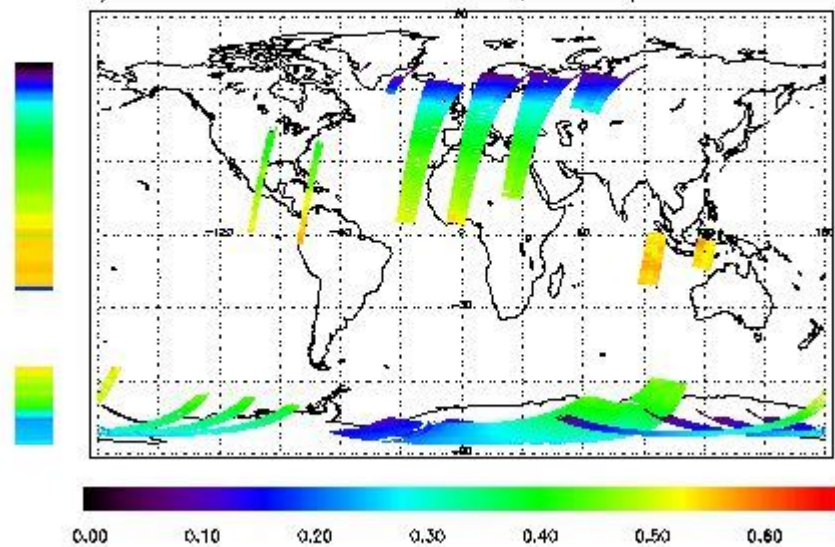
First Product : 13-NOV-2010 23:54:43.130 : ORBIT : 81390.0187

Last Product : 14-NOV-2010 23:46:58.031 : ORBIT : 81404.2556

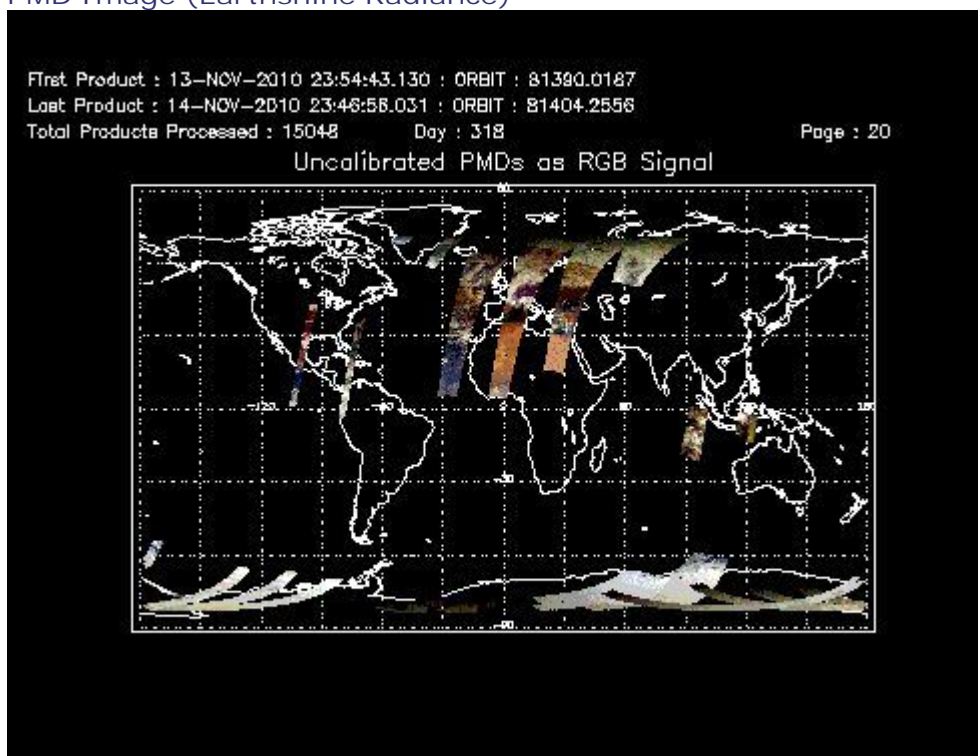
Total Products Processed : 15048 Day : 318

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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	12:06:111	--	81397	Yes	--	15608

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
--	--	--	--	--	--

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
--	--	--	--	--

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
13:30	--	81398	--

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