

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-NOV-2010
Start Time of First Product	00:51:17
Stop Time of Last Product	23:01:30
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 81555

1.2 - List of received products

Name	Date	Time
EGOI_101125CMEP2056.E2	25-NOV-2010	04:10:54.462
EGOI_101125CMEP2062.E2	25-NOV-2010	16:31:39.556
EGOI_101125HLEP8540.E2	25-NOV-2010	15:40:24.239
EGOI_101125KSEP2775.E2	25-NOV-2010	06:16:34.242
EGOI_101125KSEP2801.E2	25-NOV-2010	07:56:19.860
EGOI_101125KSEP2818.E2	25-NOV-2010	09:35:57.980
EGOI_101125KSEP2848.E2	25-NOV-2010	11:15:33.100
EGOI_101125KSEP2877.E2	25-NOV-2010	12:54:47.215
EGOI_101125KSEP2887.E2	25-NOV-2010	14:33:37.323

EGOI_101125KSEP2913.E2	25-NOV-2010	16:11:18.435
EGOI_101125KSEP2939.E2	25-NOV-2010	17:49:16.039
EGOI_101125KSEP2970.E2	25-NOV-2010	19:27:13.643
EGOI_101125KSEP2995.E2	25-NOV-2010	21:07:30.770
EGOI_101125KSEP3021.E2	25-NOV-2010	22:50:17.901
EGOI_101125MAEP0128.E2	25-NOV-2010	09:42:56.518
EGOI_101125MAEP0148.E2	25-NOV-2010	20:59:44.223
EGOI_101125MIEP6110.E2	25-NOV-2010	02:31:35.847
EGOI_101125MIEP6136.E2	25-NOV-2010	04:10:54.462
EGOI_101125MIEP6161.E2	25-NOV-2010	14:51:52.437
EGOI_101125MIEP6191.E2	25-NOV-2010	16:30:02.044
EGOI_101125MSEP7735.E2	25-NOV-2010	00:51:17.233
EGOI_101125MSEP7756.E2	25-NOV-2010	11:28:37.674
EGOI_101125MSEP7780.E2	25-NOV-2010	13:09:15.802
EGOI_101125MSEP7813.E2	25-NOV-2010	22:37:50.827
EGOI_101125SGEP9663.E2	25-NOV-2010	03:12:52.602
EGOI_101125SGEP9669.E2	25-NOV-2010	04:53:42.729
EGOI_101125SGEP9676.E2	25-NOV-2010	14:10:08.682
EGOI_101125SGEP9683.E2	25-NOV-2010	15:47:24.282

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81551	25-NOV-2010	06:14:50.898	06:16:34.241	103.34300
KS	81552	25-NOV-2010	07:53:51.572	07:56:19.860	148.28800
KS	81553	25-NOV-2010	09:33:27.711	09:35:57.980	150.26900
KS	81554	25-NOV-2010	11:13:01.978	11:15:33.099	151.12100
KS	81555	25-NOV-2010	12:52:16.696	12:54:47.215	150.51900
KS	81556	25-NOV-2010	14:31:02.846	14:33:37.323	154.47700
KS	81557	25-NOV-2010	16:08:45.500	16:11:18.434	152.93400
KS	81558	25-NOV-2010	17:46:40.726	17:49:16.039	155.31300
KS	81559	25-NOV-2010	19:25:10.103	19:27:13.642	123.53900
KS	81560	25-NOV-2010	21:05:25.944	21:07:30.769	124.82500
KS	81561	25-NOV-2010	22:47:59.133	22:50:17.901	138.76800
MS	81548	25-NOV-2010	00:49:39.387	00:51:17.232	97.845000
MS	81554	25-NOV-2010	11:25:59.020	11:28:37.674	158.65400
MS	81555	25-NOV-2010	13:06:41.919	13:09:15.802	153.88300
MS	81561	25-NOV-2010	22:35:31.866	22:37:50.827	138.96100
MA	81553	25-NOV-2010	09:41:31.403	09:42:56.517	85.114000
MA	81560	25-NOV-2010	20:57:07.790	20:59:44.223	156.43300

MI	81549	25-NOV-2010	02:29:18.077	02:31:35.846	137.76900
MI	81550	25-NOV-2010	04:07:47.546	04:10:54.462	186.91600
MI	81556	25-NOV-2010	14:49:33.392	14:51:52.437	139.04500
MI	81557	25-NOV-2010	16:27:37.158	16:30:02.044	144.88600
SG	81549	25-NOV-2010	03:10:00.413	03:12:52.601	172.18800
SG	81550	25-NOV-2010	04:51:40.431	04:53:42.729	122.29800
SG	81555	25-NOV-2010	14:08:11.228	14:10:08.681	117.45300
SG	81556	25-NOV-2010	15:44:44.652	15:47:24.282	159.63000
SG	81556	25-NOV-2010	15:54:15.325	15:58:24.452	249.12700
CM	81557	25-NOV-2010	16:30:16.007	16:31:39.556	83.549000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81547	25-NOV-2010	00:00:48.431	00:15:19.938	871.50700
MM	81547	25-NOV-2010	00:11:51.517	00:23:10.384	678.86700
HO	81548	25-NOV-2010	01:42:37.568	01:53:25.087	647.51900
MM	81548	25-NOV-2010	01:54:02.424	02:03:26.003	563.57900
GS	81548	25-NOV-2010	00:56:42.044	01:06:11.254	569.21000
BE	81549	25-NOV-2010	02:58:52.289	03:12:17.277	804.98800
MM	81549	25-NOV-2010	03:37:02.057	03:44:04.447	422.39000
GS	81549	25-NOV-2010	02:32:55.907	02:46:44.693	828.78600
CM	81549	25-NOV-2010	02:32:56.754	02:34:43.223	106.46900
BE	81550	25-NOV-2010	04:39:23.983	04:49:05.693	581.71000
MM	81550	25-NOV-2010	05:19:51.234	05:25:37.610	346.37600
GS	81550	25-NOV-2010	04:13:49.295	04:25:30.765	701.47000
MM	81551	25-NOV-2010	07:01:23.394	07:08:27.522	424.12800
JO	81551	25-NOV-2010	06:42:20.450	06:52:23.396	602.94600
MM	81552	25-NOV-2010	08:42:01.219	08:51:26.599	565.38000
MA	81552	25-NOV-2010	08:03:53.045	08:13:12.133	559.08800
JO	81552	25-NOV-2010	08:18:30.102	08:33:31.506	901.40400
MM	81553	25-NOV-2010	10:22:16.439	10:33:36.537	680.09800
JO	81553	25-NOV-2010	10:01:51.197	10:09:44.165	472.96800
HO	81554	25-NOV-2010	12:11:28.340	12:25:18.454	830.11400
MM	81554	25-NOV-2010	12:02:17.701	12:14:41.809	744.10800
MA	81554	25-NOV-2010	11:22:31.645	11:30:54.687	503.04200

HO	81555	25-NOV-2010	13:50:40.344	14:04:56.819	856.47500
MM	81555	25-NOV-2010	13:42:05.072	13:54:48.781	763.70900
SG	81555	25-NOV-2010	14:08:11.228	14:16:52.184	520.95600
BE	81556	25-NOV-2010	14:15:30.738	14:28:54.373	803.63500
MM	81556	25-NOV-2010	15:21:36.686	15:34:15.210	758.52400
GS	81556	25-NOV-2010	14:42:47.501	14:53:37.857	650.35600
BE	81557	25-NOV-2010	15:58:50.568	16:05:54.785	424.21700
MM	81557	25-NOV-2010	17:00:52.557	17:13:24.229	751.67200
GS	81557	25-NOV-2010	16:21:39.929	16:35:25.071	825.14200
MM	81558	25-NOV-2010	18:40:00.553	18:52:36.400	755.84700
GS	81558	25-NOV-2010	18:02:19.248	18:11:24.873	545.62500
JO	81558	25-NOV-2010	19:02:44.845	19:09:46.161	421.31600
MM	81559	25-NOV-2010	20:19:19.013	20:32:02.761	763.74800
MA	81559	25-NOV-2010	19:21:42.940	19:30:34.787	531.84700
JO	81559	25-NOV-2010	20:38:34.397	20:53:34.796	900.39900
HO	81560	25-NOV-2010	21:54:05.966	22:03:28.731	562.76500
MM	81560	25-NOV-2010	21:59:11.550	22:11:45.528	753.97800
JO	81560	25-NOV-2010	22:19:31.595	22:30:01.276	629.68100
HO	81561	25-NOV-2010	23:29:43.054	23:44:02.553	859.49900
MM	81561	25-NOV-2010	23:39:58.019	23:51:42.790	704.77100
MA	81561	25-NOV-2010	22:42:26.299	22:47:40.663	314.36400

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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

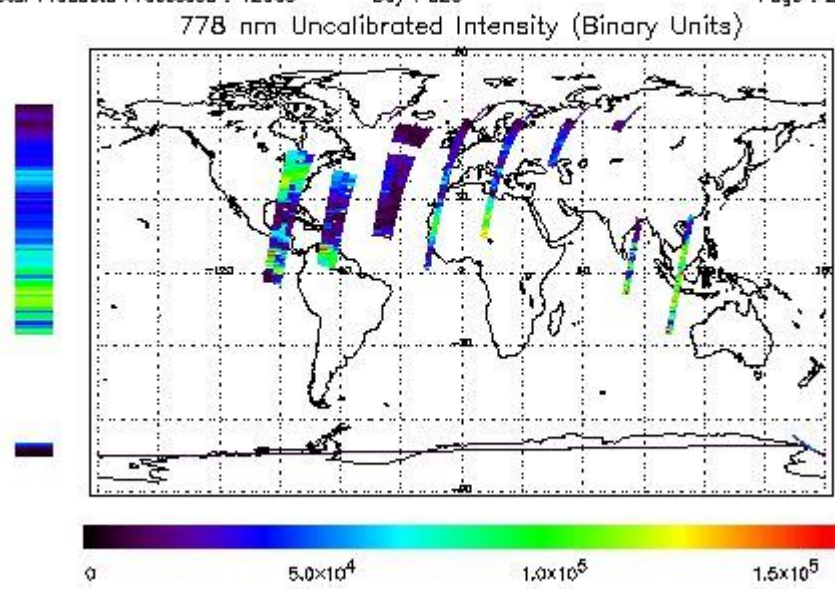
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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 : 25-NOV-2010 00:51:17.233 : ORBIT : 81548.0381
 Last Product : 25-NOV-2010 23:01:29.971 : ORBIT : 81561.2611
 Total Products Processed : 12965 Day : 329 Page : 21

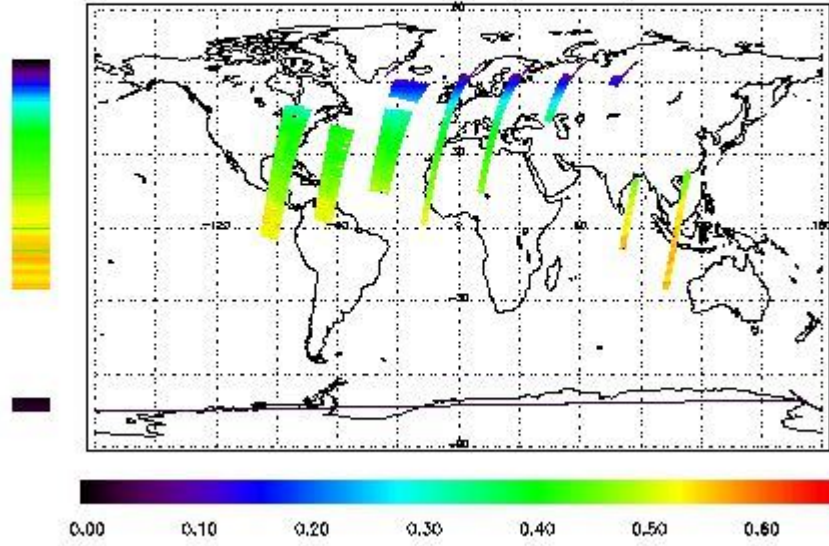


Ozone Line Ratio

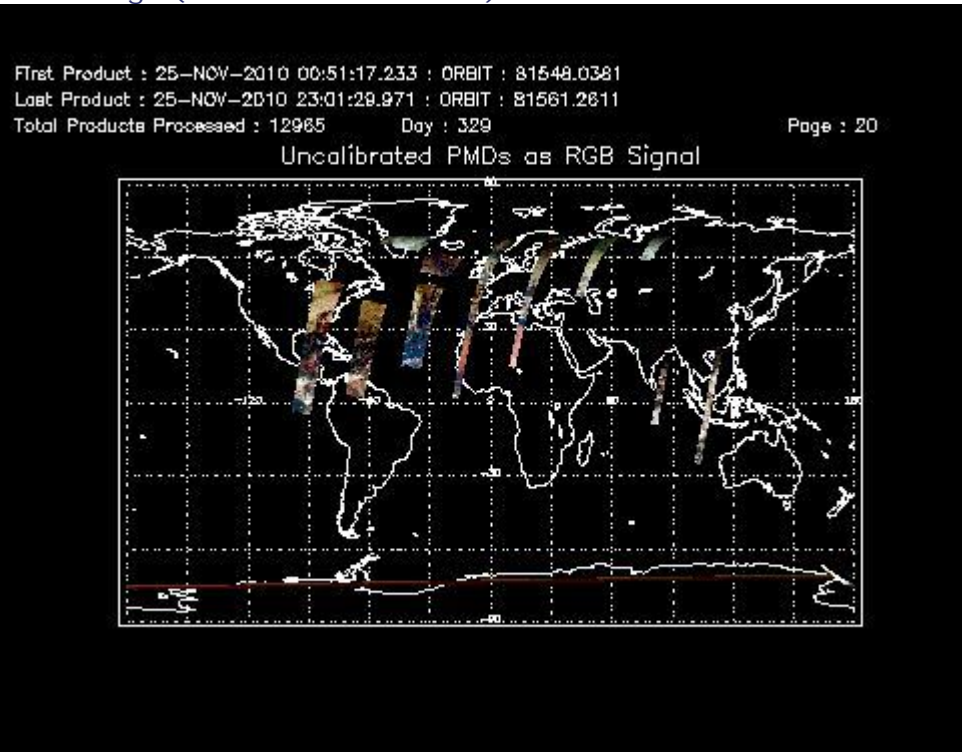
First Product : 25-NOV-2010 00:51:17.233 : ORBIT : 81548.0381
 Last Product : 25-NOV-2010 23:01:29.971 : ORBIT : 81561.2611
 Total Products Processed : 12965 Day : 329

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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	13:01:35.250	--	81555	Yes	--	15704

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
--	--	--	--	--

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
15:00	12:00	81542	81555

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