

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-NOV-2010
Start Time of First Product	23:49:39 (20-Nov)
Stop Time of Last Product	23:27:04
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101121CMEP1926.E2	21-NOV-2010	03:02:01.265
EGOI_101121CMEP1931.E2	21-NOV-2010	04:35:55.845
EGOI_101121CMEP1940.E2	21-NOV-2010	15:20:23.835
EGOI_101121CMEP1949.E2	21-NOV-2010	16:57:46.934
EGOI_101121KSEP1672.E2	20-NOV-2010	23:49:39.077
EGOI_101121KSEP1690.E2	21-NOV-2010	06:41:56.624
EGOI_101121KSEP1710.E2	21-NOV-2010	08:21:55.747
EGOI_101121KSEP1735.E2	21-NOV-2010	10:01:35.361
EGOI_101121KSEP1757.E2	21-NOV-2010	11:41:11.981

EGOI_101121KSEP1786.E2	21-NOV-2010	13:20:11.093
EGOI_101121KSEP1808.E2	21-NOV-2010	14:58:53.704
EGOI_101121KSEP1833.E2	21-NOV-2010	16:36:30.308
EGOI_101121KSEP1863.E2	21-NOV-2010	18:14:17.416
EGOI_101121KSEP1894.E2	21-NOV-2010	19:53:09.032
EGOI_101121KSEP1915.E2	21-NOV-2010	21:33:41.152
EGOI_101121KSEP1933.E2	21-NOV-2010	23:16:37.290
EGOI_101121MAEP9938.E2	21-NOV-2010	08:30:21.294
EGOI_101121MAEP9959.E2	21-NOV-2010	10:08:57.912
EGOI_101121MAEP9976.E2	21-NOV-2010	21:25:48.600
EGOI_101121MIEP5833.E2	21-NOV-2010	02:56:19.234
EGOI_101121MSEP7270.E2	21-NOV-2010	10:16:32.459
EGOI_101121MSEP7300.E2	21-NOV-2010	11:54:04.560
EGOI_101121MSEP7320.E2	21-NOV-2010	13:36:03.695
EGOI_101121MSEP7337.E2	21-NOV-2010	21:27:24.613
EGOI_101121MSEP7369.E2	21-NOV-2010	23:02:35.700
EGOI_101121SGEP9568.E2	21-NOV-2010	02:02:30.897
EGOI_101121SGEP9575.E2	21-NOV-2010	03:37:59.992
EGOI_101121SGEP9582.E2	21-NOV-2010	16:13:45.171

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81494	21-NOV-2010	06:40:08.955	06:41:56.623	107.66800
KS	81495	21-NOV-2010	08:19:27.323	08:21:55.747	148.42400
KS	81496	21-NOV-2010	09:59:04.849	10:01:35.360	150.51100
KS	81497	21-NOV-2010	11:38:35.798	11:41:11.980	156.18200
KS	81498	21-NOV-2010	13:17:42.388	13:20:11.093	148.70500
KS	81499	21-NOV-2010	14:56:18.664	14:58:53.704	155.04000
KS	81500	21-NOV-2010	16:33:56.001	16:36:30.308	154.30700
KS	81501	21-NOV-2010	18:11:46.611	18:14:17.416	150.80500
KS	81502	21-NOV-2010	19:50:46.203	19:53:09.032	142.82900
KS	81503	21-NOV-2010	21:31:33.209	21:33:41.151	127.94200
KS	81504	21-NOV-2010	23:14:51.150	23:16:37.289	106.13900
MS	81496	21-NOV-2010	10:14:00.796	10:16:32.459	151.66300
MS	81497	21-NOV-2010	11:51:27.500	11:54:04.560	157.06000
MS	81504	21-NOV-2010	23:00:44.421	23:02:35.699	111.27800
MA	81495	21-NOV-2010	08:28:21.460	08:30:21.293	119.83300
MA	81496	21-NOV-2010	10:07:08.312	10:08:57.911	109.59900
MA	81503	21-NOV-2010	21:23:11.243	21:25:48.599	157.35600

MI	81492	21-NOV-2010	02:53:58.187	02:56:19.233	141.04600
SG	81492	21-NOV-2010	03:35:25.384	03:37:59.992	154.60800
SG	81499	21-NOV-2010	16:10:46.515	16:13:45.170	178.65500
SG	81499	21-NOV-2010	16:19:25.705	16:23:21.054	235.34900
CM	81492	21-NOV-2010	02:54:50.712	03:02:01.264	430.55200
CM	81499	21-NOV-2010	15:18:21.655	15:20:23.834	122.17900
CM	81500	21-NOV-2010	16:56:00.557	16:57:46.933	106.37600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81490	21-NOV-2010	00:26:14.534	00:40:52.436	877.90200
MM	81490	21-NOV-2010	00:38:01.977	00:48:55.774	653.79700
BE	81491	21-NOV-2010	01:45:58.004	01:56:45.764	647.76000
MM	81491	21-NOV-2010	02:20:28.259	02:29:15.853	527.59400
GS	81491	21-NOV-2010	01:20:57.678	01:32:14.680	677.00200
BE	81492	21-NOV-2010	03:24:28.807	03:37:42.076	793.26900
MM	81492	21-NOV-2010	04:03:32.959	04:10:04.037	391.07800
GS	81492	21-NOV-2010	02:58:24.575	03:12:20.174	835.59900
MM	81493	21-NOV-2010	05:46:05.678	05:51:58.278	352.60000
MI	81493	21-NOV-2010	04:34:18.598	04:45:06.569	647.97100
GS	81493	21-NOV-2010	04:40:49.141	04:50:20.307	571.16600
MM	81494	21-NOV-2010	07:27:19.338	07:34:58.863	459.52500
JO	81494	21-NOV-2010	07:06:18.731	07:18:53.029	754.29800
MM	81495	21-NOV-2010	09:07:49.543	09:17:48.738	599.19500
JO	81495	21-NOV-2010	08:44:15.559	08:58:53.514	877.95500
MM	81496	21-NOV-2010	10:48:00.882	10:59:42.367	701.48500
MM	81497	21-NOV-2010	12:27:58.708	12:40:31.472	752.76400
MA	81497	21-NOV-2010	11:48:56.297	11:54:34.572	338.27500
HO	81498	21-NOV-2010	14:16:36.883	14:29:24.323	767.44000
MM	81498	21-NOV-2010	14:07:42.204	14:20:25.995	763.79100
SG	81498	21-NOV-2010	14:32:04.161	14:43:51.539	707.37800
BE	81499	21-NOV-2010	14:41:20.452	14:54:19.237	778.78500
MM	81499	21-NOV-2010	15:47:09.572	15:59:45.680	756.10800
MI	81499	21-NOV-2010	15:14:12.352	15:26:25.704	733.35200
GS	81499	21-NOV-2010	15:07:59.746	15:21:08.562	788.81600

SG	81499	21-NOV-2010	16:10:46.515	16:23:21.054	754.53900
MM	81500	21-NOV-2010	17:26:22.237	17:38:53.858	751.62100
MI	81500	21-NOV-2010	16:53:36.222	17:05:21.032	704.81000
GS	81500	21-NOV-2010	16:47:22.317	17:00:33.618	791.30100
MM	81501	21-NOV-2010	19:05:30.787	19:18:09.032	758.24500
JO	81501	21-NOV-2010	19:26:22.094	19:37:40.453	678.35900
MM	81502	21-NOV-2010	20:44:55.782	20:57:39.676	763.89400
MA	81502	21-NOV-2010	19:44:18.179	19:56:44.566	746.38700
JO	81502	21-NOV-2010	21:04:08.739	21:19:00.574	891.83500
HO	81503	21-NOV-2010	22:18:01.541	22:29:37.368	695.82700
MM	81503	21-NOV-2010	22:25:00.577	22:37:26.376	745.79900
JO	81503	21-NOV-2010	22:46:48.378	22:53:00.621	372.24300
HO	81504	21-NOV-2010	23:55:08.670	00:09:38.962	870.29200

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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

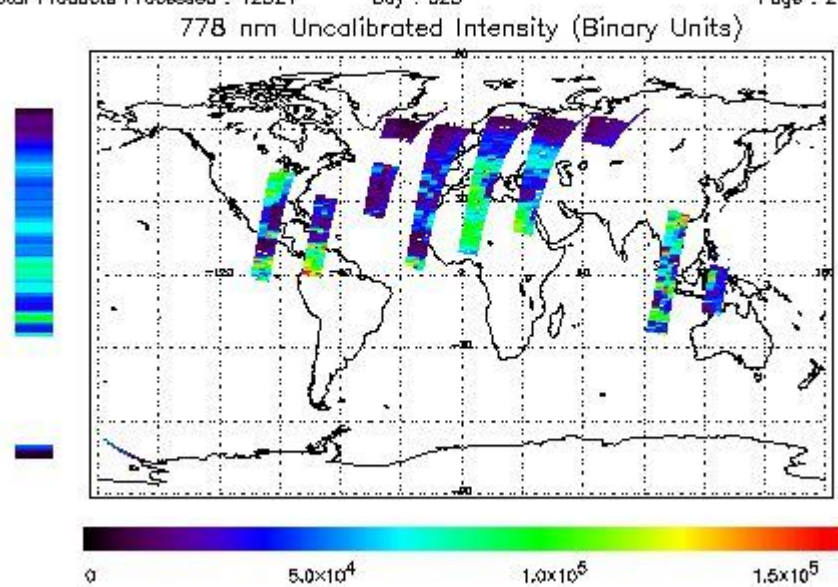
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 20-NOV-2010 23:49:39.077 : ORBIT : 81490.1683
 Last Product : 21-NOV-2010 23:27:04.352 : ORBIT : 81504.2581
 Total Products Processed : 12521 Day : 325 Page : 21



Ozone Line Ratio

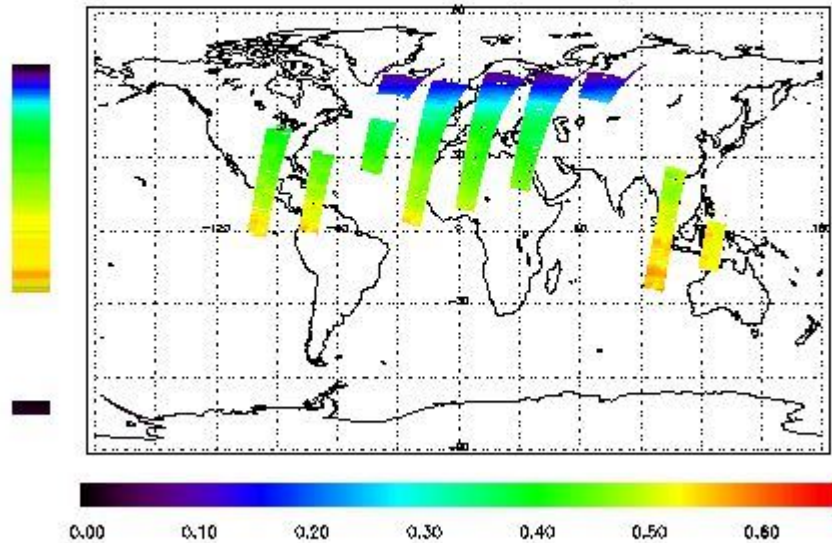
First Product : 20-NOV-2010 23:49:39.077 : ORBIT : 81490.1683

Last Product : 21-NOV-2010 23:27:04.352 : ORBIT : 81504.2581

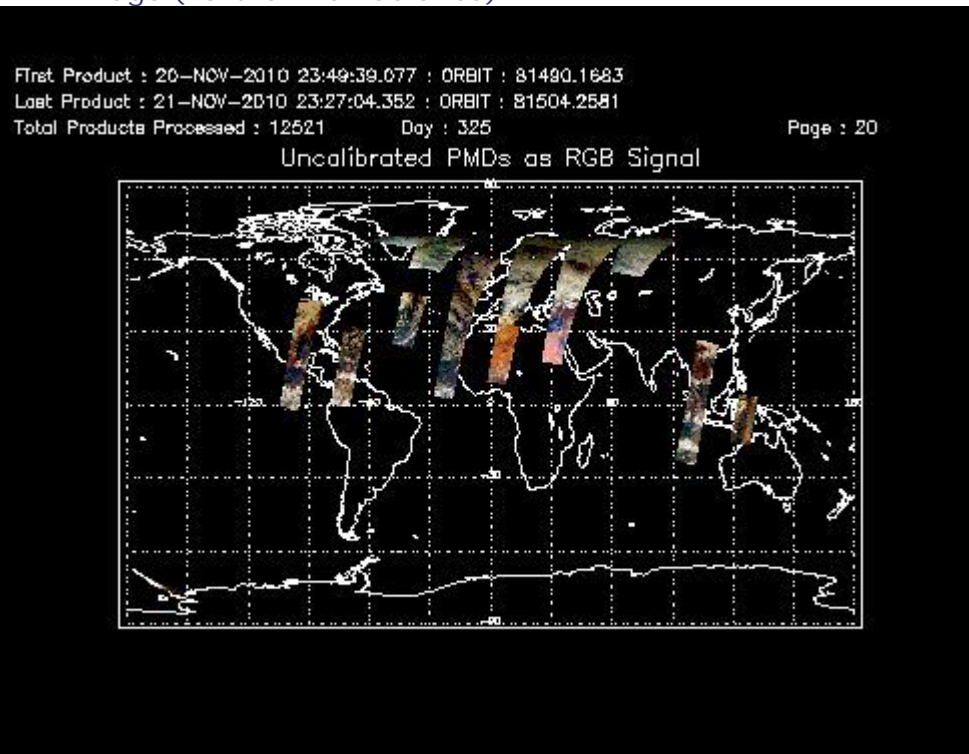
Total Products Processed : 12521 Day : 325

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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	11:46:37.512	--	81497	Yes	--	15667

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
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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