

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-DEC-2010
Start Time of First Product	01:04:00
Stop Time of Last Product	23:12:53
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101201CMEP2226.E2	01-DEC-2010	02:43:03.982
EGOI_101201CMEP2234.E2	01-DEC-2010	04:21:31.593
EGOI_101201CMEP2243.E2	01-DEC-2010	16:43:12.186
EGOI_101201GSEP0237.E2	01-DEC-2010	01:09:09.399
EGOI_101201GSEP0269.E2	01-DEC-2010	02:46:13.002
EGOI_101201GSEP0298.E2	01-DEC-2010	04:27:42.128
EGOI_101201GSEP0305.E2	01-DEC-2010	06:09:57.764
EGOI_101201KSEP4300.E2	01-DEC-2010	06:27:38.369
EGOI_101201KSEP4327.E2	01-DEC-2010	08:07:43.492

EGOI_101201KSEP4347.E2	01-DEC-2010	09:47:23.116
EGOI_101201KSEP4369.E2	01-DEC-2010	11:27:01.228
EGOI_101201KSEP4392.E2	01-DEC-2010	13:06:06.343
EGOI_101201KSEP4403.E2	01-DEC-2010	14:44:53.459
EGOI_101201KSEP4425.E2	01-DEC-2010	16:22:34.563
EGOI_101201KSEP4454.E2	01-DEC-2010	18:00:39.671
EGOI_101201KSEP4484.E2	01-DEC-2010	19:38:38.780
EGOI_101201KSEP4512.E2	01-DEC-2010	21:19:03.403
EGOI_101201KSEP4538.E2	01-DEC-2010	23:01:47.538
EGOI_101201MAEP0331.E2	01-DEC-2010	09:54:50.158
EGOI_101201MIEP6558.E2	01-DEC-2010	02:42:32.482
EGOI_101201MIEP6586.E2	01-DEC-2010	04:21:51.093
EGOI_101201MIEP6613.E2	01-DEC-2010	15:02:47.567
EGOI_101201MIEP6642.E2	01-DEC-2010	16:41:34.678
EGOI_101201MSEP8387.E2	01-DEC-2010	01:04:00.367
EGOI_101201MSEP8405.E2	01-DEC-2010	10:03:05.207
EGOI_101201MSEP8429.E2	01-DEC-2010	11:40:01.311
EGOI_101201MSEP8452.E2	01-DEC-2010	13:21:03.434
EGOI_101201MSEP8469.E2	01-DEC-2010	21:14:52.876
EGOI_101201MSEP8501.E2	01-DEC-2010	22:48:48.960
EGOI_101201SGEP9805.E2	01-DEC-2010	03:29:10.268
EGOI_101201SGEP9812.E2	01-DEC-2010	05:06:07.867
EGOI_101201SGEP9818.E2	01-DEC-2010	14:20:45.805

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81637	01-DEC-2010	06:26:03.949	06:27:38.369	94.420000
KS	81638	01-DEC-2010	08:05:13.971	08:07:43.492	149.52100
KS	81639	01-DEC-2010	09:44:50.921	09:47:23.116	152.19500
KS	81640	01-DEC-2010	11:24:23.851	11:27:01.227	157.37600
KS	81641	01-DEC-2010	13:03:35.123	13:06:06.342	151.21900
KS	81642	01-DEC-2010	14:42:17.470	14:44:53.458	155.98800
KS	81643	01-DEC-2010	16:19:57.530	16:22:34.562	157.03200
KS	81644	01-DEC-2010	17:57:47.708	18:00:39.671	171.96300
KS	81645	01-DEC-2010	19:36:31.974	19:38:38.779	126.80500
KS	81646	01-DEC-2010	21:17:01.358	21:19:03.402	122.04400
KS	81647	01-DEC-2010	22:59:53.726	23:01:47.538	113.81200
GS	81634	01-DEC-2010	01:07:25.937	01:09:09.399	103.46200
GS	81635	01-DEC-2010	02:44:13.192	02:46:13.002	119.81000
GS	81636	01-DEC-2010	04:25:44.276	04:27:42.127	117.85100

MS	81640	01-DEC-2010	11:37:20.349	11:40:01.311	160.96200
MS	81641	01-DEC-2010	13:18:32.076	13:21:03.434	151.35800
MS	81647	01-DEC-2010	22:46:41.104	22:48:48.959	127.85500
MA	81639	01-DEC-2010	09:52:53.293	09:54:50.157	116.86400
MI	81635	01-DEC-2010	02:40:11.928	02:42:32.482	140.55400
MI	81636	01-DEC-2010	04:19:29.860	04:21:51.092	141.23200
MI	81642	01-DEC-2010	15:00:26.092	15:02:47.566	141.47400
MI	81643	01-DEC-2010	16:39:07.658	16:41:34.678	147.02000
SG	81635	01-DEC-2010	03:21:15.120	03:29:10.267	475.14700
SG	81641	01-DEC-2010	14:18:39.520	14:20:45.805	126.28500
CM	81635	01-DEC-2010	02:42:01.764	02:43:03.981	62.217000
CM	81643	01-DEC-2010	16:41:39.740	16:43:12.185	92.445000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81633	01-DEC-2010	00:12:03.158	00:26:41.161	878.00300
MM	81633	01-DEC-2010	00:23:28.960	00:34:37.112	668.15200
HO	81634	01-DEC-2010	01:55:11.017	02:04:13.710	542.69300
MM	81634	01-DEC-2010	02:05:46.846	02:14:54.637	547.79100
BE	81635	01-DEC-2010	03:10:14.086	03:23:37.434	803.34800
MM	81635	01-DEC-2010	03:48:49.276	03:55:37.114	407.83800
BE	81636	01-DEC-2010	04:51:07.451	04:59:43.598	516.14700
MM	81636	01-DEC-2010	05:31:31.740	05:37:19.432	347.69200
MM	81637	01-DEC-2010	07:12:55.301	07:20:14.829	439.52800
JO	81637	01-DEC-2010	06:52:53.980	07:04:14.009	680.02900
MM	81638	01-DEC-2010	08:53:29.517	09:03:10.230	580.71300
MA	81638	01-DEC-2010	08:14:39.805	08:25:16.602	636.79700
JO	81638	01-DEC-2010	08:29:54.069	08:44:49.833	895.76400
MM	81639	01-DEC-2010	10:33:42.964	10:45:13.002	690.03800
MM	81640	01-DEC-2010	12:13:42.708	12:26:11.019	748.31100
MA	81640	01-DEC-2010	11:34:12.338	11:41:40.298	447.96000
MM	81641	01-DEC-2010	13:53:28.374	14:06:12.301	763.92700
SG	81641	01-DEC-2010	14:18:39.520	14:28:59.882	620.36200
BE	81642	01-DEC-2010	14:26:56.826	14:40:13.416	796.59000
MM	81642	01-DEC-2010	15:32:58.099	15:45:35.536	757.43700

GS	81642	01-DEC-2010	14:53:57.954	15:06:32.461	754.50700
CM	81642	01-DEC-2010	15:05:28.504	15:11:15.882	347.37800
MM	81643	01-DEC-2010	17:12:12.474	17:24:44.016	751.54200
GS	81643	01-DEC-2010	16:33:04.720	16:46:37.648	812.92800
MM	81644	01-DEC-2010	18:51:20.551	19:03:57.441	756.89000
GS	81644	01-DEC-2010	18:14:00.812	18:22:00.163	479.35100
JO	81644	01-DEC-2010	19:13:02.364	19:22:23.665	561.30100
MM	81645	01-DEC-2010	20:30:41.715	20:43:25.699	763.98400
MA	81645	01-DEC-2010	19:30:36.791	19:42:13.427	696.63600
JO	81645	01-DEC-2010	20:49:54.632	21:04:55.706	901.07400
HO	81646	01-DEC-2010	22:04:35.958	22:15:08.172	632.21400
MM	81646	01-DEC-2010	22:10:39.545	22:23:10.235	750.69000
MA	81646	01-DEC-2010	21:08:48.205	21:22:05.859	797.65400
JO	81646	01-DEC-2010	22:31:28.617	22:40:26.555	537.93800
HO	81647	01-DEC-2010	23:41:02.493	23:55:25.474	862.98100
MM	81647	01-DEC-2010	23:51:33.080	00:03:09.036	695.95600

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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	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK

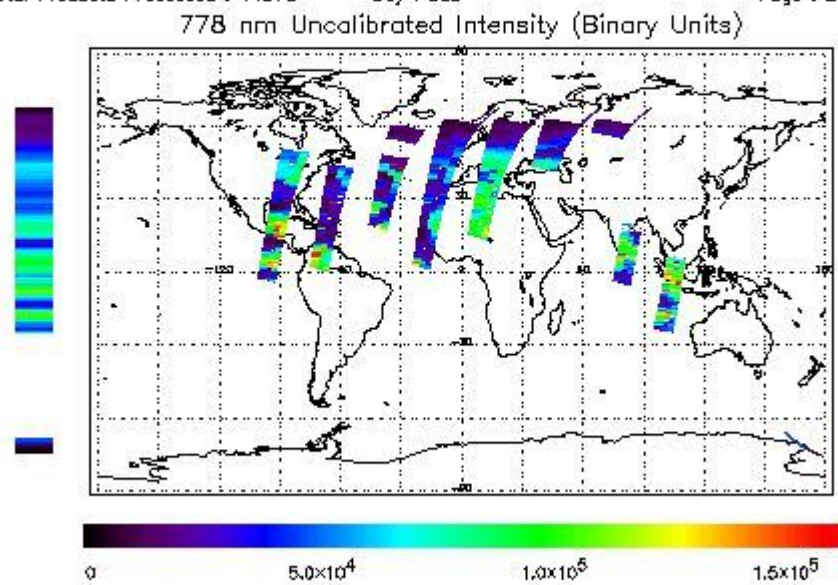
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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

Final Product : 01-DEC-2010 01:04:00.367 : ORBIT : 81634.0503
 Last Product : 01-DEC-2010 23:12:53.608 : ORBIT : 81647.2600
 Total Products Processed : 14578 Day : 335 Page : 21

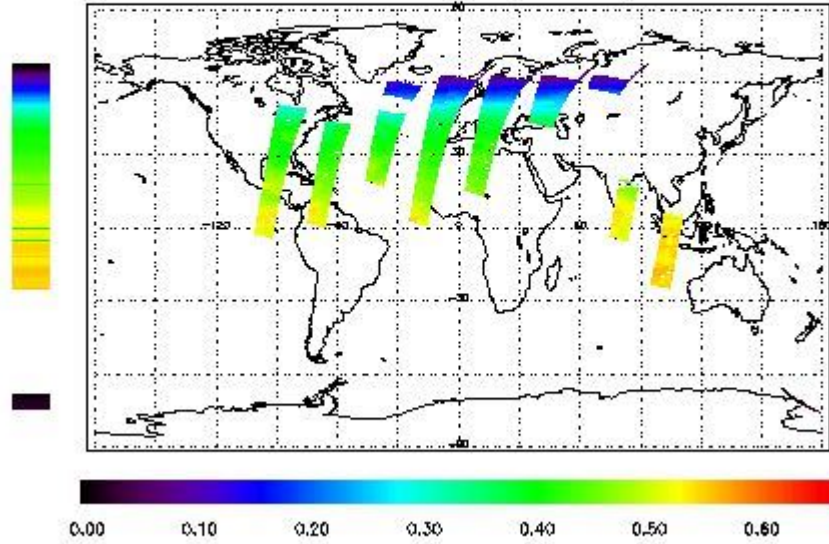


Ozone Line Ratio

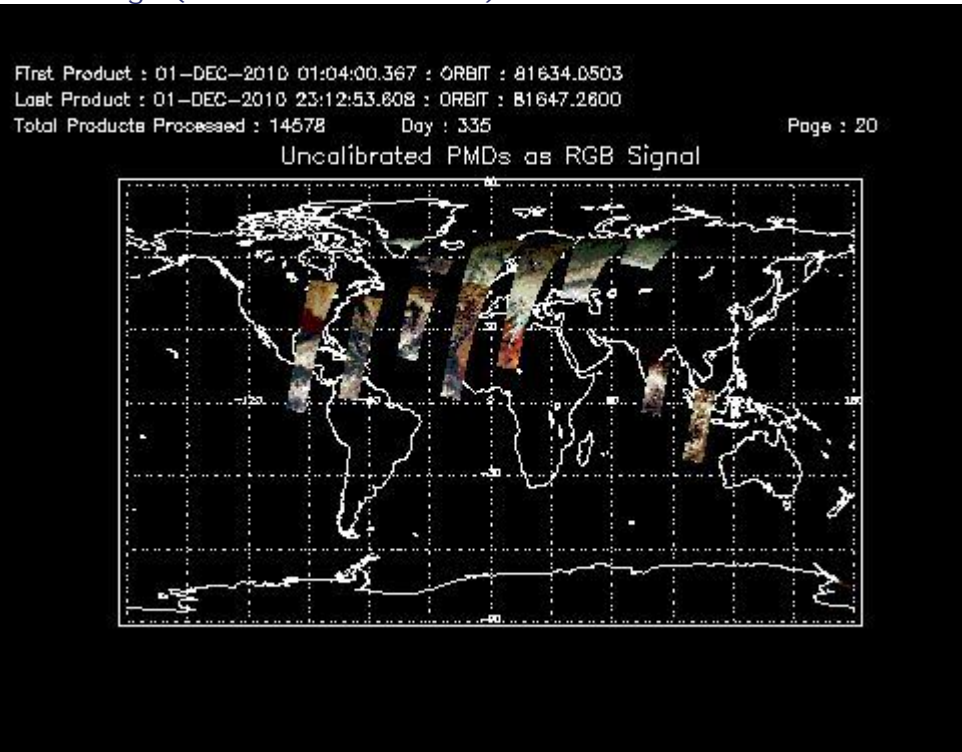
First Product : 01-DEC-2010 01:04:00.367 : ORBIT : 81634.0503
 Last Product : 01-DEC-2010 23:12:53.608 : ORBIT : 81647.2600
 Total Products Processed : 14578 Day : 335

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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	13:13:21.386	--	81641	Yes	--	15733.0

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
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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
01:00 05-Sep	--	80388	--

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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