

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	24-DEC-2010
Start Time of First Product	00:39:08
Stop Time of Last Product	19:30:55
Number of EGOI Products analysed	26
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 81970

1.2 - List of received products

Name	Date	Time
EGOI_101224CMEP2899.E2	24-DEC-2010	03:59:22.735
EGOI_101224CMEP2904.E2	24-DEC-2010	05:39:03.850
EGOI_101224CMEP2911.E2	24-DEC-2010	16:20:25.073
EGOI_101224CMEP2923.E2	24-DEC-2010	18:02:09.197
EGOI_101224GSEP1988.E2	24-DEC-2010	02:25:01.151
EGOI_101224GSEP2013.E2	24-DEC-2010	04:04:04.762
EGOI_101224GSEP2020.E2	24-DEC-2010	05:46:39.901
EGOI_101224KSEP0044.E2	24-DEC-2010	07:44:37.637
EGOI_101224KSEP0067.E2	24-DEC-2010	09:24:38.253

EGOI_101224KSEP0097.E2	24-DEC-2010	11:04:15.607
EGOI_101224KSEP0125.E2	24-DEC-2010	12:43:32.723
EGOI_101224KSEP0135.E2	24-DEC-2010	14:22:27.339
EGOI_101224KSEP0161.E2	24-DEC-2010	16:00:12.944
EGOI_101224KSEP0188.E2	24-DEC-2010	17:38:10.556
EGOI_101224KSEP0219.E2	24-DEC-2010	19:15:57.656
EGOI_101224MAEP1163.E2	24-DEC-2010	09:32:23.299
EGOI_101224MAEP1181.E2	24-DEC-2010	11:11:53.154
EGOI_101224MIEP8756.E2	24-DEC-2010	02:20:53.624
EGOI_101224MIEP8777.E2	24-DEC-2010	03:59:21.235
EGOI_101224MIEP8796.E2	24-DEC-2010	14:41:13.957
EGOI_101224MIEP8823.E2	24-DEC-2010	16:18:40.062
EGOI_101224MSEP1111.E2	24-DEC-2010	00:39:07.992
EGOI_101224MSEP1128.E2	24-DEC-2010	11:17:29.191
EGOI_101224MSEP1152.E2	24-DEC-2010	12:57:32.811
EGOI_101224SGEP0368.E2	24-DEC-2010	13:59:54.198
EGOI_101224SGEP0375.E2	24-DEC-2010	15:38:51.811

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81967	24-DEC-2010	07:42:29.492	07:44:37.636	128.14400
KS	81968	24-DEC-2010	09:22:04.468	09:24:38.252	153.78400
KS	81969	24-DEC-2010	11:01:39.855	11:04:15.606	155.75100
KS	81970	24-DEC-2010	12:40:57.756	12:43:32.722	154.96600
KS	81971	24-DEC-2010	14:19:47.674	14:22:27.339	159.66500
KS	81972	24-DEC-2010	15:57:35.730	16:00:12.943	157.21300
KS	81973	24-DEC-2010	17:35:30.572	17:38:10.555	159.98300
KS	81974	24-DEC-2010	19:13:49.515	19:15:57.656	128.14100
GS	81964	24-DEC-2010	02:22:54.481	02:25:01.150	126.66900
GS	81965	24-DEC-2010	04:02:00.566	04:04:04.762	124.19600
MS	81963	24-DEC-2010	00:37:08.886	00:39:07.991	119.10500
MS	81969	24-DEC-2010	11:14:42.143	11:17:29.191	167.04800
MS	81970	24-DEC-2010	12:54:54.482	12:57:32.811	158.32900
MA	81968	24-DEC-2010	09:30:11.490	09:32:23.299	131.80900
MA	81969	24-DEC-2010	11:10:48.238	11:11:53.153	64.915000
MI	81964	24-DEC-2010	02:18:31.827	02:20:53.624	141.79700
MI	81965	24-DEC-2010	03:56:11.600	03:59:21.234	189.63400
MI	81971	24-DEC-2010	14:38:51.736	14:41:13.957	142.22100
MI	81972	24-DEC-2010	16:16:10.093	16:18:40.061	149.96800

SG	81971	24-DEC-2010	15:33:19.212	15:38:51.810	332.59800
CM	81972	24-DEC-2010	16:18:56.554	16:20:25.072	88.518000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81962	23-DEC-2010	23:49:30.006	00:03:57.671	867.66500
MM	81962	24-DEC-2010	00:00:14.942	00:11:43.834	688.89200
HO	81963	24-DEC-2010	01:30:34.563	01:42:23.042	708.47900
MM	81963	24-DEC-2010	01:42:18.689	01:51:57.641	578.95200
GS	81963	24-DEC-2010	00:46:04.003	00:54:31.451	507.44800
BE	81964	24-DEC-2010	02:47:32.342	03:00:53.104	800.76200
MM	81964	24-DEC-2010	03:25:14.753	03:32:32.467	437.71400
SG	81964	24-DEC-2010	02:58:50.907	03:12:12.090	801.18300
CM	81964	24-DEC-2010	03:54:59.375	04:07:20.822	741.44700
BE	81965	24-DEC-2010	04:27:45.142	04:38:20.588	635.44600
MM	81965	24-DEC-2010	05:08:09.539	05:13:56.966	347.42700
SG	81965	24-DEC-2010	04:39:30.712	04:49:41.105	610.39300
MM	81966	24-DEC-2010	06:49:50.805	06:56:40.286	409.48100
KS	81966	24-DEC-2010	06:03:42.193	06:09:09.294	327.10100
JO	81966	24-DEC-2010	06:31:59.942	06:40:22.496	502.55400
MM	81967	24-DEC-2010	08:30:32.651	08:39:42.282	549.63100
MA	81967	24-DEC-2010	07:52:55.989	07:59:48.145	412.15600
JO	81967	24-DEC-2010	08:07:10.618	08:22:10.394	899.77600
MM	81968	24-DEC-2010	10:10:49.740	10:21:59.205	669.46500
JO	81968	24-DEC-2010	09:49:22.541	09:59:18.319	595.77800
HO	81969	24-DEC-2010	12:00:13.469	12:13:34.692	801.22300
MM	81969	24-DEC-2010	11:50:52.516	12:03:11.827	739.31100
HO	81970	24-DEC-2010	13:39:14.261	13:53:43.826	869.56500
MM	81970	24-DEC-2010	13:30:41.561	13:43:24.723	763.16200
BE	81971	24-DEC-2010	14:04:08.723	14:17:33.420	804.69700
HO	81971	24-DEC-2010	15:20:34.188	15:28:10.324	456.13600
MM	81971	24-DEC-2010	15:10:15.062	15:22:54.660	759.59800
GS	81971	24-DEC-2010	14:31:40.463	14:42:40.360	659.89700
BE	81972	24-DEC-2010	15:46:27.012	15:55:15.535	528.52300
MM	81972	24-DEC-2010	16:49:32.526	17:02:04.494	751.96800

GS	81972	24-DEC-2010	16:10:16.277	16:24:09.137	832.86000
MM	81973	24-DEC-2010	18:28:40.682	18:41:15.551	754.86900
GS	81973	24-DEC-2010	17:50:41.614	18:00:43.195	601.58100
MM	81974	24-DEC-2010	20:07:56.762	20:20:40.043	763.28100
MA	81974	24-DEC-2010	19:11:09.647	19:18:51.434	461.78700
JO	81974	24-DEC-2010	20:27:16.998	20:42:09.371	892.37300
MM	81975	24-DEC-2010	21:47:44.268	22:00:21.007	756.73900
MA	81975	24-DEC-2010	20:45:44.018	20:59:26.702	822.68400
KS	81975	24-DEC-2010	20:53:52.296	21:07:22.920	810.62400
JO	81975	24-DEC-2010	22:07:43.404	22:19:24.482	701.07800
HO	81976	24-DEC-2010	23:18:30.917	23:32:38.471	847.55400
MM	81976	24-DEC-2010	23:28:23.818	23:40:16.716	712.89800
MS	81976	24-DEC-2010	22:24:27.714	22:36:47.013	739.29900
MA	81976	24-DEC-2010	22:29:42.316	22:37:10.418	448.10200
KS	81976	24-DEC-2010	22:36:07.243	22:46:54.858	647.61500

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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

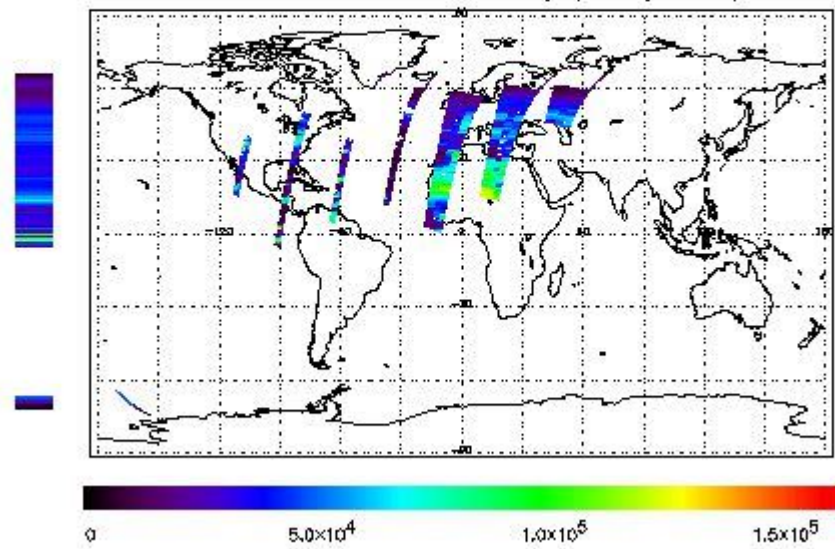
2.2 - Daily Plots

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 : 24-DEC-2010 00:39:07.992 : ORBIT : 81963.0316
 Last Product : 24-DEC-2010 19:30:54.750 : ORBIT : 81974.2820
 Total Products Processed : 12273 Day : 358 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

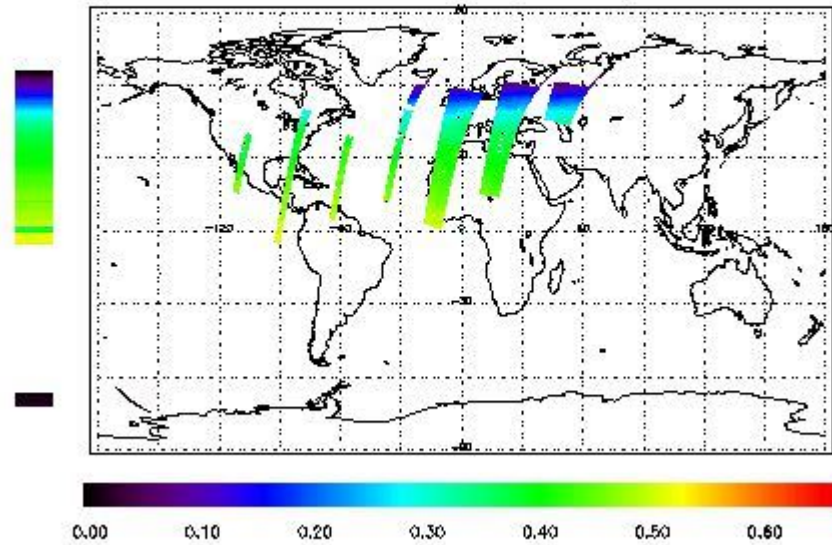


Ozone Line Ratio

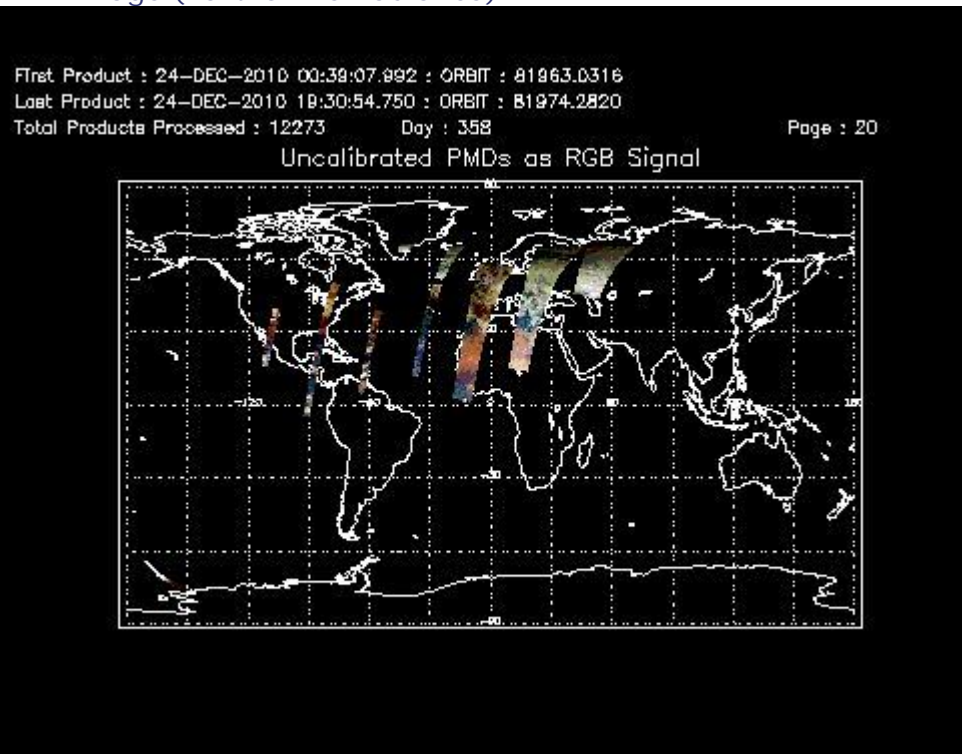
First Product : 24-DEC-2010 00:39:07.992 : ORBIT : 81963.0316
 Last Product : 24-DEC-2010 19:30:54.750 : ORBIT : 81974.2820
 Total Products Processed : 12273 Day : 358

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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	11:10:21.646	--	81969	Yes	--	15801

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)
--	--	--	--	--	--	--	--

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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
12:30	--	81970	--

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