

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-DEC-2010
Start Time of First Product	01:17:32
Stop Time of Last Product	23:21:29
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101223CMEP2863.E2	23-DEC-2010	02:50:47.881
EGOI_101223CMEP2871.E2	23-DEC-2010	04:30:24.499
EGOI_101223CMEP2882.E2	23-DEC-2010	15:14:14.992
EGOI_101223CMEP2888.E2	23-DEC-2010	16:51:48.592
EGOI_101223GSEP1915.E2	23-DEC-2010	01:17:32.301
EGOI_101223GSEP1947.E2	23-DEC-2010	02:54:41.908
EGOI_101223GSEP1975.E2	23-DEC-2010	04:36:44.035
EGOI_101223GSEP1982.E2	23-DEC-2010	06:18:49.169
EGOI_101223HLEP8856.E2	23-DEC-2010	02:07:10.107

EGOI_101223HLEP8865.E2	23-DEC-2010	14:13:23.616
EGOI_101223KSEP0016.E2	23-DEC-2010	23:10:43.447
EGOI_101223KSEP9889.E2	23-DEC-2010	06:36:22.279
EGOI_101223KSEP9906.E2	23-DEC-2010	08:16:18.398
EGOI_101223KSEP9925.E2	23-DEC-2010	09:55:58.018
EGOI_101223KSEP9947.E2	23-DEC-2010	11:35:34.638
EGOI_101223KSEP9965.E2	23-DEC-2010	13:14:38.246
EGOI_101223KSEP9969.E2	23-DEC-2010	19:47:18.188
EGOI_101223KSEP9974.E2	23-DEC-2010	14:53:22.363
EGOI_101223KSEP9989.E2	23-DEC-2010	16:31:01.967
EGOI_101223KSEP9991.E2	23-DEC-2010	21:27:48.807
EGOI_101223MAEP1125.E2	23-DEC-2010	08:24:28.944
EGOI_101223MAEP1135.E2	23-DEC-2010	10:02:47.560
EGOI_101223MAEP1151.E2	23-DEC-2010	21:20:42.763
EGOI_101223MIEP8646.E2	23-DEC-2010	02:50:49.381
EGOI_101223MIEP8674.E2	23-DEC-2010	04:30:45.503
EGOI_101223MIEP8702.E2	23-DEC-2010	15:11:05.972
EGOI_101223MIEP8731.E2	23-DEC-2010	16:50:14.084
EGOI_101223MSEP0988.E2	23-DEC-2010	10:11:16.114
EGOI_101223MSEP1018.E2	23-DEC-2010	11:48:28.717
EGOI_101223MSEP1040.E2	23-DEC-2010	13:30:06.839
EGOI_101223MSEP1055.E2	23-DEC-2010	21:22:03.772
EGOI_101223MSEP1087.E2	23-DEC-2010	22:57:13.361
EGOI_101223SGEP0338.E2	23-DEC-2010	01:57:55.052
EGOI_101223SGEP0344.E2	23-DEC-2010	03:32:51.139
EGOI_101223SGEP0351.E2	23-DEC-2010	14:29:11.710
EGOI_101223SGEP0358.E2	23-DEC-2010	16:08:03.321

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81962	23-DEC-2010	23:08:51.588	23:10:43.447	111.85900
KS	81952	23-DEC-2010	06:34:30.566	06:36:22.279	111.71300
KS	81953	23-DEC-2010	08:13:45.942	08:16:18.398	152.45600
KS	81954	23-DEC-2010	09:53:23.292	09:55:58.018	154.72600
KS	81955	23-DEC-2010	11:32:55.075	11:35:34.638	159.56300
KS	81956	23-DEC-2010	13:12:03.587	13:14:38.245	154.65800
KS	81960	23-DEC-2010	19:45:04.254	19:47:18.188	133.93400
KS	81957	23-DEC-2010	14:50:43.085	14:53:22.363	159.27800
KS	81958	23-DEC-2010	16:28:22.199	16:31:01.967	159.76800
KS	81961	23-DEC-2010	21:25:44.117	21:27:48.807	124.69000
GS	81949	23-DEC-2010	01:15:32.133	01:17:32.301	120.16800

GS	81950	23-DEC-2010	02:52:43.378	02:54:41.907	118.52900
GS	81951	23-DEC-2010	04:34:45.471	04:36:44.035	118.56400
MS	81954	23-DEC-2010	10:08:38.765	10:11:16.113	157.34800
MS	81955	23-DEC-2010	11:45:49.138	11:48:28.716	159.57800
MS	81956	23-DEC-2010	13:27:40.107	13:30:06.838	146.73100
MS	81962	23-DEC-2010	22:55:06.207	22:57:13.361	127.15400
MA	81953	23-DEC-2010	08:22:51.463	08:24:28.943	97.480000
MA	81954	23-DEC-2010	10:01:25.954	10:02:47.560	81.606000
MA	81961	23-DEC-2010	21:17:25.251	21:20:42.762	197.51100
MI	81950	23-DEC-2010	02:48:26.577	02:50:49.381	142.80400
MI	81951	23-DEC-2010	04:28:21.465	04:30:45.503	144.03800
MI	81957	23-DEC-2010	15:08:40.690	15:11:05.972	145.28200
MI	81958	23-DEC-2010	16:47:48.008	16:50:14.084	146.07600
SG	81950	23-DEC-2010	03:29:44.375	03:32:51.139	186.76400
SG	81956	23-DEC-2010	14:26:40.287	14:29:11.710	151.42300
SG	81957	23-DEC-2010	16:04:56.855	16:08:03.320	186.46500
CM	81950	23-DEC-2010	02:49:38.512	02:50:47.880	69.368000
CM	81957	23-DEC-2010	15:13:06.926	15:14:14.991	68.065000
CM	81958	23-DEC-2010	16:50:15.382	16:51:48.592	93.210000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81948	23-DEC-2010	00:20:34.117	00:35:12.187	878.07000
MM	81948	23-DEC-2010	00:32:12.609	00:43:12.275	659.66600
HO	81949	23-DEC-2010	02:04:47.918	02:12:07.012	439.09400
MM	81949	23-DEC-2010	02:14:35.581	02:23:31.307	535.72600
BE	81950	23-DEC-2010	03:18:46.593	03:32:04.958	798.36500
MM	81950	23-DEC-2010	03:57:39.547	04:04:17.113	397.56600
MM	81951	23-DEC-2010	05:40:16.328	05:46:06.540	350.21200
MM	81952	23-DEC-2010	07:21:33.828	07:29:05.277	451.44900
JO	81952	23-DEC-2010	07:00:55.358	07:13:02.433	727.07500
MM	81953	23-DEC-2010	09:02:05.577	09:11:57.477	591.90000
JO	81953	23-DEC-2010	08:38:30.067	08:53:16.637	886.57000
MM	81954	23-DEC-2010	10:42:17.747	10:53:54.784	697.03700
MM	81955	23-DEC-2010	12:22:16.343	12:34:47.430	751.08700

MA	81955	23-DEC-2010	11:42:55.033	11:49:28.174	393.14100
BE	81956	23-DEC-2010	12:57:21.426	13:08:49.662	688.23600
MM	81956	23-DEC-2010	14:02:00.712	14:14:44.608	763.89600
SG	81956	23-DEC-2010	14:26:40.287	14:37:56.737	676.45000
BE	81957	23-DEC-2010	14:35:34.171	14:48:41.334	787.16300
MM	81957	23-DEC-2010	15:41:29.021	15:54:05.654	756.63300
GS	81957	23-DEC-2010	15:02:22.590	15:15:18.994	776.40400
MM	81958	23-DEC-2010	17:20:42.348	17:33:13.904	751.55600
GS	81958	23-DEC-2010	16:41:39.061	16:54:59.869	800.80800
MM	81959	23-DEC-2010	18:59:50.656	19:12:28.356	757.70000
KS	81959	23-DEC-2010	18:06:09.647	18:19:34.734	805.08700
GS	81959	23-DEC-2010	18:22:50.798	18:29:51.195	420.39700
JO	81959	23-DEC-2010	19:20:59.702	19:31:36.533	636.83100
MM	81960	23-DEC-2010	20:39:14.060	20:51:58.046	763.98600
MA	81960	23-DEC-2010	19:38:48.829	19:50:55.075	726.24600
JO	81960	23-DEC-2010	20:58:26.594	21:13:23.466	896.87200
HO	81961	23-DEC-2010	22:12:38.584	22:23:50.150	671.56600
MM	81961	23-DEC-2010	22:19:16.023	22:31:43.886	747.86300
JO	81961	23-DEC-2010	22:40:35.777	22:48:04.252	448.47500
HO	81962	23-DEC-2010	23:49:30.006	00:03:57.671	867.66500

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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

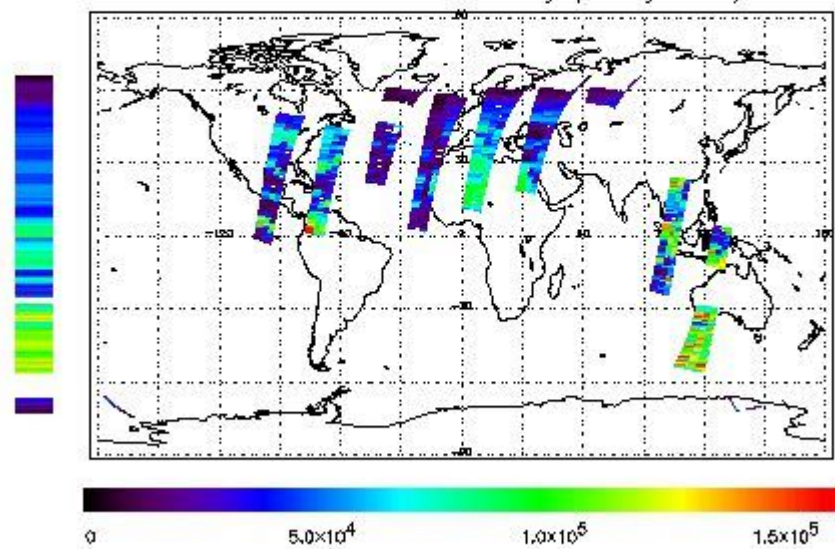
2.2 - Daily Plots

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 : 23-DEC-2010 01:17:32.301 : ORBIT : 81949.0991
 Last Product : 23-DEC-2010 23:21:28.509 : ORBIT : 81982.2596
 Total Products Processed : 16763 Day : 357 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

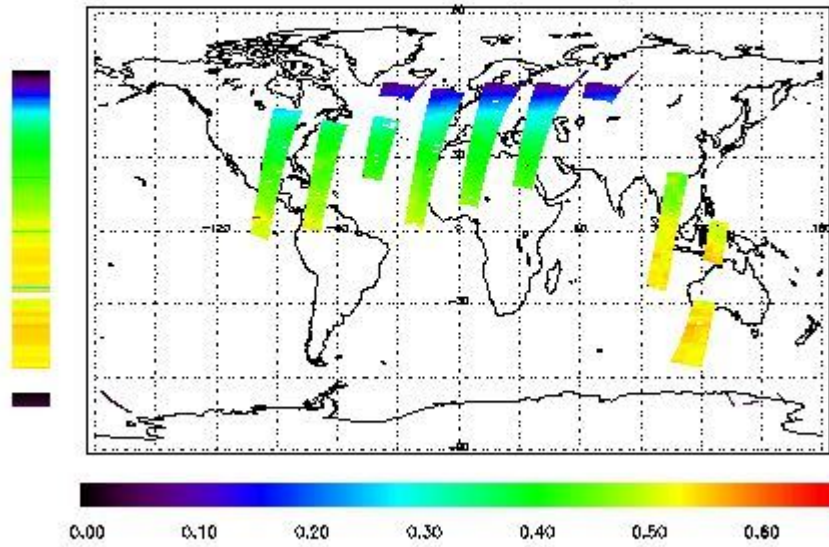


Ozone Line Ratio

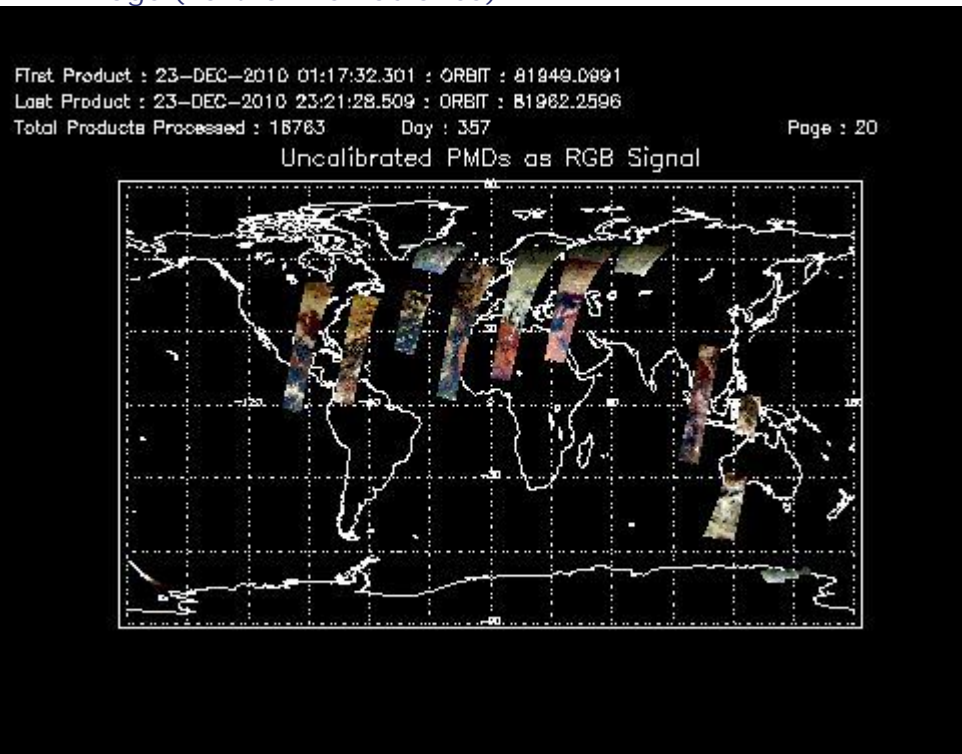
First Product : 23-DEC-2010 01:17:32.301 : ORBIT : 81949.0991
 Last Product : 23-DEC-2010 23:21:28.509 : ORBIT : 81962.2596
 Total Products Processed : 16763 Day : 357

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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	11:42:00.172	--	81955	Yes	--	15823

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
--	--	--	--	--

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