

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-DEC-2010
Start Time of First Product	01:12:11
Stop Time of Last Product	23:15:48
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101220CMEP2766.E2	20-DEC-2010	02:45:28.558
EGOI_101220CMEP2776.E2	20-DEC-2010	04:24:32.165
EGOI_101220CMEP2782.E2	20-DEC-2010	15:08:49.660
EGOI_101220CMEP2790.E2	20-DEC-2010	16:46:08.266
EGOI_101220GSEP1696.E2	20-DEC-2010	01:12:11.478
EGOI_101220GSEP1728.E2	20-DEC-2010	02:49:00.077
EGOI_101220GSEP1756.E2	20-DEC-2010	04:30:42.704
EGOI_101220GSEP1763.E2	20-DEC-2010	06:12:55.342
EGOI_101220HLEP8803.E2	20-DEC-2010	12:35:17.212

EGOI_101220KSEP9143.E2	20-DEC-2010	06:30:41.952
EGOI_101220KSEP9162.E2	20-DEC-2010	08:10:38.075
EGOI_101220KSEP9186.E2	20-DEC-2010	09:50:16.191
EGOI_101220KSEP9209.E2	20-DEC-2010	11:29:54.311
EGOI_101220KSEP9238.E2	20-DEC-2010	13:08:59.419
EGOI_101220KSEP9249.E2	20-DEC-2010	14:47:46.534
EGOI_101220KSEP9275.E2	20-DEC-2010	16:25:26.140
EGOI_101220KSEP9305.E2	20-DEC-2010	18:03:29.748
EGOI_101220KSEP9337.E2	20-DEC-2010	19:41:33.356
EGOI_101220KSEP9365.E2	20-DEC-2010	21:22:00.980
EGOI_101220KSEP9390.E2	20-DEC-2010	23:04:46.615
EGOI_101220MAEP0993.E2	20-DEC-2010	08:18:56.117
EGOI_101220MAEP1013.E2	20-DEC-2010	09:57:41.733
EGOI_101220MAEP1037.E2	20-DEC-2010	21:14:21.928
EGOI_101220MIEP8337.E2	20-DEC-2010	02:45:19.558
EGOI_101220MIEP8365.E2	20-DEC-2010	04:24:50.169
EGOI_101220MIEP8391.E2	20-DEC-2010	15:05:34.640
EGOI_101220MIEP8419.E2	20-DEC-2010	16:45:11.262
EGOI_101220MSEP0636.E2	20-DEC-2010	10:05:47.781
EGOI_101220MSEP0658.E2	20-DEC-2010	11:42:52.887
EGOI_101220MSEP0680.E2	20-DEC-2010	13:24:10.013
EGOI_101220MSEP0698.E2	20-DEC-2010	21:17:21.949
EGOI_101220MSEP0730.E2	20-DEC-2010	22:51:45.033
EGOI_101220SGEP0273.E2	20-DEC-2010	05:09:33.947
EGOI_101220SGEP0279.E2	20-DEC-2010	14:23:35.882
EGOI_101220SGEP0286.E2	20-DEC-2010	16:02:51.496

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81909	20-DEC-2010	06:28:52.676	06:30:41.951	109.27500
KS	81910	20-DEC-2010	08:08:04.613	08:10:38.074	153.46100
KS	81911	20-DEC-2010	09:47:41.716	09:50:16.190	154.47400
KS	81912	20-DEC-2010	11:27:14.277	11:29:54.310	160.03300
KS	81913	20-DEC-2010	13:06:24.645	13:08:59.418	154.77300
KS	81914	20-DEC-2010	14:45:06.041	14:47:46.533	160.49200
KS	81915	20-DEC-2010	16:22:46.001	16:25:26.140	160.13900
KS	81916	20-DEC-2010	18:00:34.580	18:03:29.748	175.16800
KS	81917	20-DEC-2010	19:39:22.649	19:41:33.355	130.70600
KS	81918	20-DEC-2010	21:19:55.496	21:22:00.979	125.48300
KS	81919	20-DEC-2010	23:02:52.823	23:04:46.615	113.79200
GS	81906	20-DEC-2010	01:10:07.708	01:12:11.478	123.77000

GS	81907	20-DEC-2010	02:47:03.042	02:49:00.076	117.03400
GS	81908	20-DEC-2010	04:28:44.154	04:30:42.704	118.55000
MS	81912	20-DEC-2010	11:40:10.128	11:42:52.886	162.75800
MS	81913	20-DEC-2010	13:21:33.758	13:24:10.012	156.25400
MS	81919	20-DEC-2010	22:49:29.175	22:51:45.033	135.85800
MA	81910	20-DEC-2010	08:17:23.184	08:18:56.117	92.933000
MA	81911	20-DEC-2010	09:55:44.064	09:57:41.732	117.66800
MA	81918	20-DEC-2010	21:11:40.301	21:14:21.927	161.62600
MI	81907	20-DEC-2010	02:42:56.428	02:45:19.557	143.12900
MI	81908	20-DEC-2010	04:22:26.559	04:24:50.169	143.61000
MI	81914	20-DEC-2010	15:03:10.537	15:05:34.639	144.10200
MI	81915	20-DEC-2010	16:42:00.859	16:45:11.261	190.40200
SG	81913	20-DEC-2010	14:21:19.025	14:23:35.881	136.85600
SG	81914	20-DEC-2010	15:59:08.750	16:02:51.495	222.74500
CM	81915	20-DEC-2010	16:44:31.345	16:46:08.266	96.921000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81905	20-DEC-2010	00:14:53.352	00:29:31.589	878.23700
MM	81905	20-DEC-2010	00:26:23.456	00:37:28.821	665.36500
HO	81906	20-DEC-2010	01:58:12.897	02:06:52.472	519.57500
MM	81906	20-DEC-2010	02:08:43.053	02:17:46.842	543.78900
BE	81907	20-DEC-2010	03:13:04.813	03:26:26.855	802.04200
MM	81907	20-DEC-2010	03:51:46.051	03:58:30.398	404.34700
SG	81907	20-DEC-2010	03:24:04.569	03:37:57.359	832.79000
BE	81908	20-DEC-2010	04:54:04.275	05:02:21.706	497.43100
MM	81908	20-DEC-2010	05:34:26.678	05:40:15.066	348.38800
MM	81909	20-DEC-2010	07:15:48.180	07:23:11.651	443.47100
JO	81909	20-DEC-2010	06:55:33.911	07:07:10.521	696.61000
MM	81910	20-DEC-2010	08:56:21.552	09:06:06.026	584.47400
JO	81910	20-DEC-2010	08:32:45.775	08:47:38.959	893.18400
MM	81911	20-DEC-2010	10:36:34.570	10:48:06.984	692.41400
MM	81912	20-DEC-2010	12:16:33.931	12:29:03.202	749.27100
MA	81912	20-DEC-2010	11:37:06.351	11:44:17.141	430.79000
MM	81913	20-DEC-2010	13:56:19.167	14:09:03.101	763.93400

SG	81913	20-DEC-2010	14:21:19.025	14:31:59.530	640.50500
BE	81914	20-DEC-2010	14:29:49.003	14:43:02.858	793.85500
MM	81914	20-DEC-2010	15:35:48.419	15:48:25.586	757.16700
GS	81914	20-DEC-2010	14:56:46.010	15:09:28.273	762.26300
MM	81915	20-DEC-2010	17:15:02.438	17:27:33.973	751.53500
GS	81915	20-DEC-2010	16:35:56.095	16:49:25.266	809.17100
MM	81916	20-DEC-2010	18:54:10.575	19:06:47.733	757.15800
GS	81916	20-DEC-2010	18:16:57.032	18:24:37.770	460.73800
JO	81916	20-DEC-2010	19:15:40.489	19:25:29.041	588.55200
MM	81917	20-DEC-2010	20:33:32.466	20:46:16.468	764.00200
MA	81917	20-DEC-2010	19:33:20.532	19:45:07.508	706.97600
JO	81917	20-DEC-2010	20:52:45.118	21:07:45.238	900.12000
HO	81918	20-DEC-2010	22:07:17.692	22:18:02.332	644.64000
MM	81918	20-DEC-2010	22:13:31.658	22:26:01.441	749.78300
JO	81918	20-DEC-2010	22:34:29.856	22:43:00.452	510.59600
HO	81919	20-DEC-2010	23:43:52.514	23:58:16.072	863.55800
MM	81919	20-DEC-2010	23:54:26.980	00:06:00.624	693.64400

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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

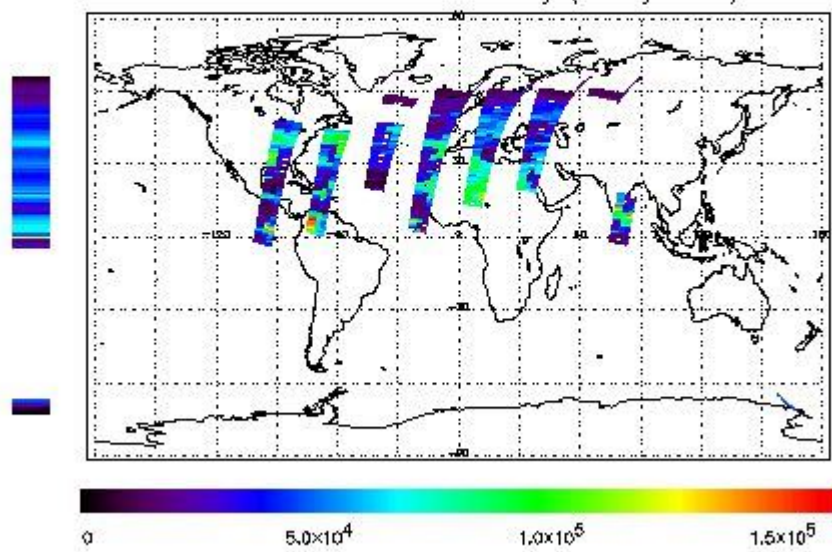
2.2 - Daily Plots

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 : 20-DEC-2010 01:12:11.478 : ORBIT : 81906.1031
 Last Product : 20-DEC-2010 23:15:48.181 : ORBIT : 81919.2604
 Total Products Processed : 18158 Day : 354 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

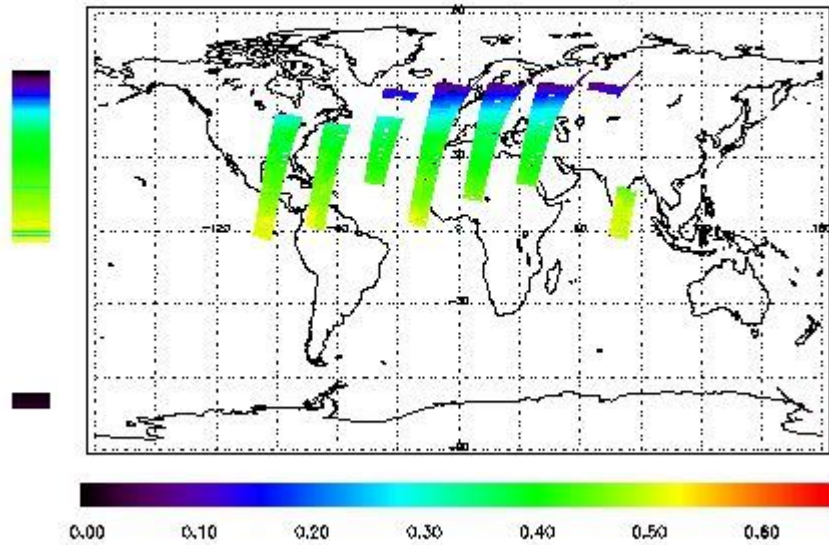


Ozone Line Ratio

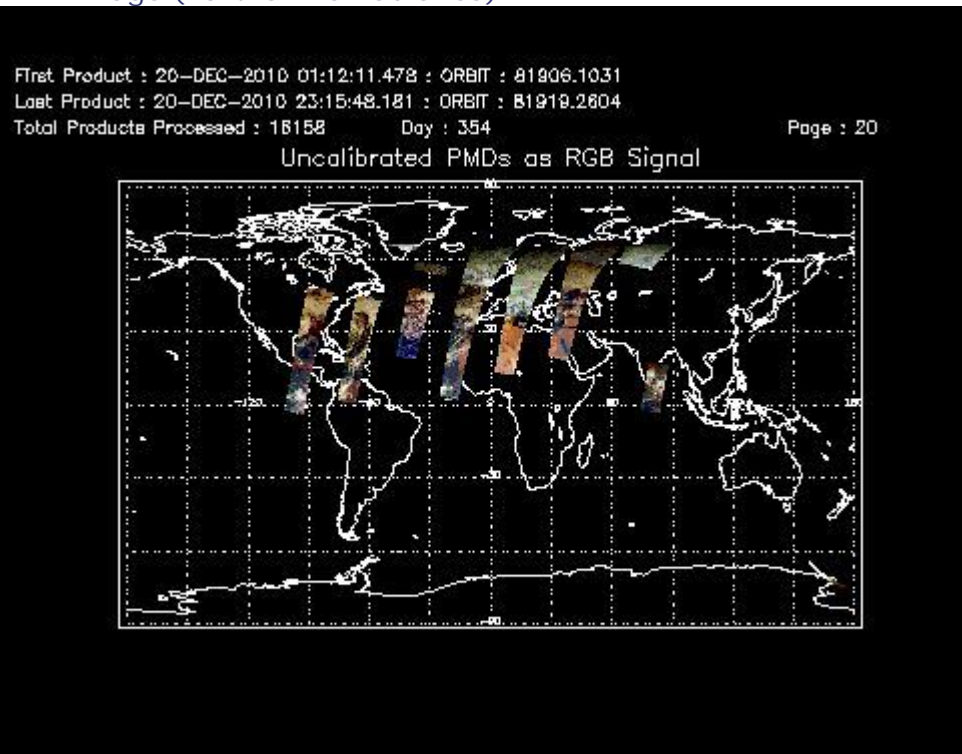
First Product : 20-DEC-2010 01:12:11.478 : ORBIT : 81906.1031
 Last Product : 20-DEC-2010 23:15:48.181 : ORBIT : 81919.2604
 Total Products Processed : 18158 Day : 354

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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	13:16:45.970	--	81913	Yes	--	15773

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
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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
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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