

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-DEC-2010
Start Time of First Product	23:57:36 (02-Dec)
Stop Time of Last Product	23:49:48
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101203CMEP2284.E2	03-DEC-2010	05:00:00.188
EGOI_101203CMEP2292.E2	03-DEC-2010	15:41:25.164
EGOI_101203CMEP2301.E2	03-DEC-2010	17:20:40.779
EGOI_101203GSEP0394.E2	03-DEC-2010	01:44:45.478
EGOI_101203GSEP0425.E2	03-DEC-2010	03:23:46.096
EGOI_101203GSEP0433.E2	03-DEC-2010	05:06:09.223
EGOI_101203KSEP4817.E2	03-DEC-2010	07:04:44.462
EGOI_101203KSEP4835.E2	03-DEC-2010	08:44:43.583
EGOI_101203KSEP4857.E2	03-DEC-2010	10:24:24.699

EGOI_101203KSEP4879.E2	03-DEC-2010	12:03:55.318
EGOI_101203KSEP4892.E2	03-DEC-2010	13:42:51.431
EGOI_101203KSEP4917.E2	03-DEC-2010	15:21:23.543
EGOI_101203KSEP4932.E2	03-DEC-2010	16:58:51.146
EGOI_101203KSEP4961.E2	03-DEC-2010	18:36:48.754
EGOI_101203KSEP4986.E2	03-DEC-2010	20:15:40.370
EGOI_101203KSEP5014.E2	03-DEC-2010	21:56:57.497
EGOI_101203KSEP5037.E2	03-DEC-2010	23:40:47.637
EGOI_101203MAEP0389.E2	03-DEC-2010	08:52:13.621
EGOI_101203MAEP0400.E2	03-DEC-2010	10:31:45.745
EGOI_101203MAEP0418.E2	03-DEC-2010	20:09:04.330
EGOI_101203MIEP6771.E2	03-DEC-2010	01:44:49.978
EGOI_101203MIEP6794.E2	03-DEC-2010	03:18:43.061
EGOI_101203MIEP6817.E2	03-DEC-2010	05:00:55.692
EGOI_101203MIEP6837.E2	03-DEC-2010	15:38:52.148
EGOI_101203MIEP6864.E2	03-DEC-2010	17:19:24.272
EGOI_101203MSEP8633.E2	02-DEC-2010	23:57:35.815
EGOI_101203MSEP8652.E2	03-DEC-2010	10:38:30.789
EGOI_101203MSEP8675.E2	03-DEC-2010	12:17:02.898
EGOI_101203MSEP8701.E2	03-DEC-2010	21:48:19.943
EGOI_101203MSEP8733.E2	03-DEC-2010	23:25:47.547
EGOI_101203SGEP9866.E2	03-DEC-2010	02:22:51.717
EGOI_101203SGEP9872.E2	03-DEC-2010	04:00:41.823
EGOI_101203SGEP9881.E2	03-DEC-2010	14:58:26.402
EGOI_101203SGEP9887.E2	03-DEC-2010	16:37:10.513

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81666	03-DEC-2010	07:02:46.140	07:04:44.462	118.32200
KS	81667	03-DEC-2010	08:42:13.255	08:44:43.583	150.32800
KS	81668	03-DEC-2010	10:21:50.827	10:24:24.699	153.87200
KS	81669	03-DEC-2010	12:01:17.871	12:03:55.318	157.44700
KS	81670	03-DEC-2010	13:40:16.119	13:42:51.431	155.31200
KS	81671	03-DEC-2010	15:18:30.490	15:21:23.542	173.05200
KS	81672	03-DEC-2010	16:56:11.974	16:58:51.145	159.17100
KS	81673	03-DEC-2010	18:34:16.739	18:36:48.754	152.01500
KS	81674	03-DEC-2010	20:13:37.579	20:15:40.369	122.79000
KS	81675	03-DEC-2010	21:54:54.467	21:56:57.496	123.02900
KS	81676	03-DEC-2010	23:38:58.617	23:40:47.637	109.02000
GS	81663	03-DEC-2010	01:42:50.096	01:44:45.477	115.38100

GS	81664	03-DEC-2010	03:21:18.245	03:23:46.095	147.85000
MS	81662	02-DEC-2010	23:55:18.551	23:57:35.815	137.26400
MS	81668	03-DEC-2010	10:35:51.968	10:38:30.788	158.82000
MS	81669	03-DEC-2010	12:14:24.036	12:17:02.898	158.86200
MS	81676	03-DEC-2010	23:23:29.061	23:25:47.547	138.48600
MA	81668	03-DEC-2010	10:29:51.979	10:31:45.745	113.76600
MA	81674	03-DEC-2010	20:06:25.510	20:09:04.330	158.82000
MI	81663	03-DEC-2010	01:43:03.306	01:44:49.977	106.67100
MI	81671	03-DEC-2010	15:36:31.192	15:38:52.147	140.95500
MI	81672	03-DEC-2010	17:17:02.505	17:19:24.271	141.76600
SG	81663	03-DEC-2010	02:20:41.209	02:22:51.717	130.50800
SG	81664	03-DEC-2010	03:58:21.752	04:00:41.822	140.07000
SG	81670	03-DEC-2010	14:53:59.841	14:58:26.402	266.56100
SG	81670	03-DEC-2010	15:05:53.445	15:07:12.235	78.790000
SG	81671	03-DEC-2010	16:34:24.470	16:37:10.513	166.04300
CM	81671	03-DEC-2010	15:39:57.085	15:41:25.164	88.079000
CM	81672	03-DEC-2010	17:19:14.231	17:20:40.778	86.547000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81662	03-DEC-2010	00:49:31.324	01:03:24.491	833.16700
MM	81662	03-DEC-2010	01:01:21.569	01:11:50.255	628.68600
KS	81662	03-DEC-2010	00:12:47.625	00:16:50.241	242.61600
BE	81663	03-DEC-2010	02:08:10.116	02:20:23.842	733.72600
MM	81663	03-DEC-2010	02:44:00.278	02:52:14.915	494.63700
BE	81664	03-DEC-2010	03:47:22.063	04:00:00.552	758.48900
MM	81664	03-DEC-2010	04:27:05.371	04:33:14.043	368.67200
CM	81664	03-DEC-2010	03:16:14.250	03:26:58.914	644.66400
CM	81664	03-DEC-2010	04:55:25.939	05:06:06.085	640.14600
MM	81665	03-DEC-2010	06:09:20.183	06:15:27.600	367.41700
MM	81666	03-DEC-2010	07:50:20.134	07:58:32.553	492.41900
JO	81666	03-DEC-2010	07:28:08.446	07:42:04.945	836.49900
MM	81667	03-DEC-2010	09:30:44.855	09:41:11.807	626.95200
JO	81667	03-DEC-2010	09:07:30.633	09:21:11.853	821.22000
HO	81668	03-DEC-2010	11:21:21.070	11:31:59.544	638.47400

MM	81668	03-DEC-2010	11:10:52.993	11:22:50.556	717.56300
HO	81669	03-DEC-2010	12:59:23.290	13:14:12.704	889.41400
MM	81669	03-DEC-2010	12:50:47.694	13:03:25.859	758.16500
HO	81670	03-DEC-2010	14:39:42.820	14:50:47.519	664.69900
MM	81670	03-DEC-2010	14:30:27.644	14:43:10.441	762.79700
SG	81670	03-DEC-2010	14:53:59.841	15:07:12.235	792.39400
BE	81671	03-DEC-2010	15:04:37.742	15:16:44.137	726.39500
MM	81671	03-DEC-2010	16:09:51.276	16:22:25.466	754.19000
GS	81671	03-DEC-2010	15:30:33.225	15:44:16.327	823.10200
MM	81672	03-DEC-2010	17:49:01.665	18:01:33.958	752.29300
GS	81672	03-DEC-2010	17:10:18.415	17:22:39.846	741.43100
MM	81673	03-DEC-2010	19:28:11.891	19:40:52.270	760.37900
JO	81673	03-DEC-2010	19:48:13.193	20:01:30.713	797.52000
MM	81674	03-DEC-2010	21:07:44.026	21:20:26.717	762.69100
JO	81674	03-DEC-2010	21:27:04.191	21:41:17.420	853.22900
HO	81675	03-DEC-2010	22:39:46.748	22:52:34.712	767.96400
MM	81675	03-DEC-2010	22:48:00.732	23:00:16.794	736.06200
MA	81675	03-DEC-2010	21:47:01.224	21:58:48.512	707.28800

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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

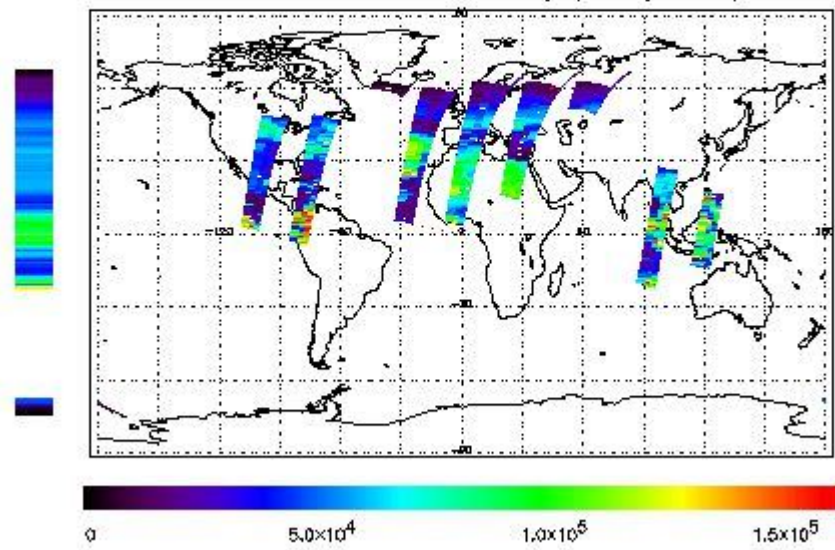
2.2 - Daily Plots

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 : 02-DEC-2010 23:57:35.815 : ORBIT : 81662.0187
 Last Product : 03-DEC-2010 23:49:47.891 : ORBIT : 81676.2554
 Total Products Processed : 18254 Day : 337 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

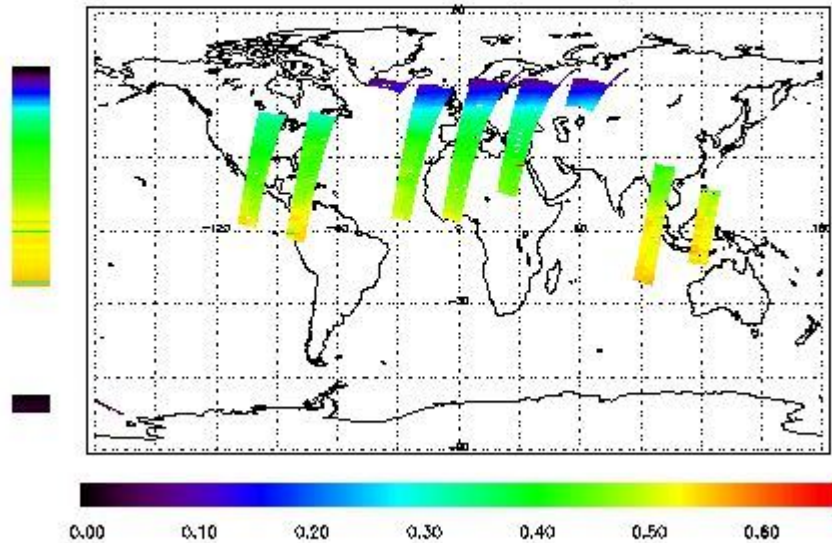
First Product : 02-DEC-2010 23:57:35.815 : ORBIT : 81662.0187

Last Product : 03-DEC-2010 23:49:47.691 : ORBIT : 81676.2554

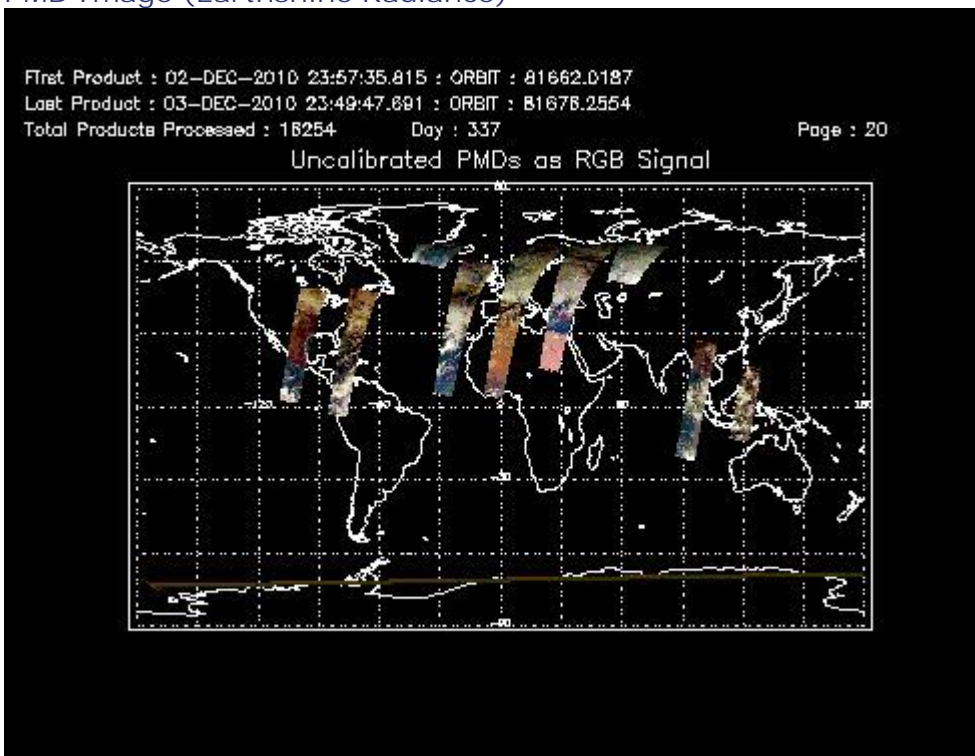
Total Products Processed : 18254 Day : 337

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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	12:10:16.357	--	81669	Yes	--	15757

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