

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-JAN-2011
Start Time of First Product	00:54:27
Stop Time of Last Product	23:04:25
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110118GSEP3777.E2	18-JAN-2011	01:01:01.473
EGOI_110118GSEP3808.E2	18-JAN-2011	02:37:45.572
EGOI_110118GSEP3837.E2	18-JAN-2011	04:18:49.195
EGOI_110118GSEP3844.E2	18-JAN-2011	06:01:09.326
EGOI_110118KSEP6147.E2	18-JAN-2011	06:19:22.939
EGOI_110118KSEP6174.E2	18-JAN-2011	07:59:13.054
EGOI_110118KSEP6198.E2	18-JAN-2011	09:38:52.671
EGOI_110118KSEP6229.E2	18-JAN-2011	11:18:27.791
EGOI_110118KSEP6258.E2	18-JAN-2011	12:57:40.403

EGOI_110118KSEP6279.E2	18-JAN-2011	14:36:30.519
EGOI_110118KSEP6302.E2	18-JAN-2011	16:14:11.623
EGOI_110118KSEP6331.E2	18-JAN-2011	17:52:06.227
EGOI_110118KSEP6362.E2	18-JAN-2011	19:30:20.336
EGOI_110118KSEP6392.E2	18-JAN-2011	21:10:28.455
EGOI_110118KSEP6411.E2	18-JAN-2011	22:53:20.096
EGOI_110118MAEP1969.E2	18-JAN-2011	09:46:28.716
EGOI_110118MIEP0582.E2	18-JAN-2011	02:34:26.053
EGOI_110118MIEP0609.E2	18-JAN-2011	04:13:52.160
EGOI_110118MIEP0634.E2	18-JAN-2011	14:54:41.125
EGOI_110118MIEP0664.E2	18-JAN-2011	16:32:56.736
EGOI_110118MSEP4008.E2	18-JAN-2011	00:54:26.934
EGOI_110118MSEP4031.E2	18-JAN-2011	11:31:32.369
EGOI_110118MSEP4055.E2	18-JAN-2011	13:12:16.495
EGOI_110118MSEP4082.E2	18-JAN-2011	22:40:26.010
EGOI_110118SGEP0832.E2	18-JAN-2011	03:15:17.299
EGOI_110118SGEP0840.E2	18-JAN-2011	04:57:08.926
EGOI_110118SGEP0847.E2	18-JAN-2011	14:12:45.371
EGOI_110118SGEP0852.E2	18-JAN-2011	15:50:27.974

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82324	18-JAN-2011	06:17:38.838	06:19:22.938	104.10000
KS	82325	18-JAN-2011	07:56:42.144	07:59:13.054	150.91000
KS	82326	18-JAN-2011	09:36:18.517	09:38:52.671	154.15400
KS	82327	18-JAN-2011	11:15:52.470	11:18:27.791	155.32100
KS	82328	18-JAN-2011	12:55:06.353	12:57:40.402	154.04900
KS	82329	18-JAN-2011	14:33:51.554	14:36:30.519	158.96500
KS	82330	18-JAN-2011	16:11:32.922	16:14:11.623	158.70100
KS	82331	18-JAN-2011	17:49:27.397	17:52:06.226	158.82900
KS	82332	18-JAN-2011	19:28:00.448	19:30:20.336	139.88800
KS	82333	18-JAN-2011	21:08:19.630	21:10:28.454	128.82400
KS	82334	18-JAN-2011	22:50:57.519	22:53:20.096	142.57700
GS	82321	18-JAN-2011	00:59:22.513	01:01:01.473	98.960000
GS	82322	18-JAN-2011	02:35:44.914	02:37:45.571	120.65700
GS	82323	18-JAN-2011	04:16:47.409	04:18:49.194	121.78500
MS	82327	18-JAN-2011	11:28:48.905	11:31:32.369	163.46400
MS	82328	18-JAN-2011	13:09:38.679	13:12:16.495	157.81600
MS	82334	18-JAN-2011	22:38:18.712	22:40:26.009	127.29700

MA	82326	18-JAN-2011	09:44:21.695	09:46:28.716	127.02100
MI	82322	18-JAN-2011	02:32:00.884	02:34:26.052	145.16800
MI	82323	18-JAN-2011	04:10:42.491	04:13:52.159	189.66800
MI	82329	18-JAN-2011	14:52:15.712	14:54:41.124	145.41200
MI	82330	18-JAN-2011	16:30:29.450	16:32:56.736	147.28600
SG	82322	18-JAN-2011	03:12:48.619	03:15:17.299	148.68000
SG	82323	18-JAN-2011	04:54:46.132	04:57:08.926	142.79400
SG	82328	18-JAN-2011	14:10:46.580	14:12:45.370	118.79000
SG	82329	18-JAN-2011	15:47:36.804	15:50:27.973	171.16900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82320	18-JAN-2011	00:03:36.682	00:18:10.306	873.62400
MM	82320	18-JAN-2011	00:14:45.796	00:26:02.049	676.25300
HO	82321	18-JAN-2011	01:45:47.492	01:56:09.934	622.44200
MM	82321	18-JAN-2011	01:56:58.468	02:06:18.136	559.66800
BE	82322	18-JAN-2011	03:01:42.570	03:15:07.690	805.12000
MM	82322	18-JAN-2011	03:39:58.876	03:46:57.547	418.67100
CM	82322	18-JAN-2011	02:34:54.764	02:38:21.307	206.54300
CM	82322	18-JAN-2011	04:09:07.666	04:21:32.311	744.64500
BE	82323	18-JAN-2011	04:42:19.351	04:51:45.912	566.56100
MM	82323	18-JAN-2011	05:22:46.473	05:28:32.957	346.48400
MM	82324	18-JAN-2011	07:04:16.432	07:11:24.347	427.91500
JO	82324	18-JAN-2011	06:44:57.805	06:55:21.827	624.02200
MM	82325	18-JAN-2011	08:44:53.317	08:54:22.573	569.25600
MA	82325	18-JAN-2011	08:06:33.525	08:16:14.158	580.63300
JO	82325	18-JAN-2011	08:21:20.670	08:36:21.355	900.68500
MM	82326	18-JAN-2011	10:25:08.087	10:36:30.734	682.64700
JO	82326	18-JAN-2011	10:05:02.947	10:12:16.295	433.34800
MM	82327	18-JAN-2011	12:05:08.970	12:17:34.183	745.21300
MA	82327	18-JAN-2011	11:25:28.500	11:33:40.289	491.78900
MM	82328	18-JAN-2011	13:44:55.918	13:57:39.711	763.79300
SG	82328	18-JAN-2011	14:10:46.580	14:19:55.732	549.15200
BE	82329	18-JAN-2011	14:18:21.873	14:31:44.320	802.44700
MM	82329	18-JAN-2011	15:24:27.060	15:37:05.311	758.25100

GS	82329	18-JAN-2011	14:45:34.828	14:56:23.627	648.79900
CM	82329	18-JAN-2011	14:58:35.380	15:01:02.736	147.35600
BE	82330	18-JAN-2011	16:02:00.166	16:08:31.296	391.13000
MM	82330	18-JAN-2011	17:03:42.546	17:16:14.170	751.62400
GS	82330	18-JAN-2011	16:24:31.020	16:38:13.530	822.51000
CM	82330	18-JAN-2011	16:33:06.540	16:45:30.049	743.50900
MM	82331	18-JAN-2011	18:42:50.539	18:55:26.641	756.10200
GS	82331	18-JAN-2011	18:05:14.211	18:14:04.354	530.14300
JO	82331	18-JAN-2011	19:05:16.279	19:12:58.636	462.35700
MM	82332	18-JAN-2011	20:22:09.645	20:34:53.475	763.83000
MA	82332	18-JAN-2011	19:24:22.867	19:33:29.828	546.96100
JO	82332	18-JAN-2011	20:41:24.196	20:56:25.442	901.24600
HO	82333	18-JAN-2011	21:56:39.675	22:06:24.231	584.55600
MM	82333	18-JAN-2011	22:02:03.481	22:14:36.688	753.20700
MA	82333	18-JAN-2011	21:00:04.104	21:13:37.211	813.10700
JO	82333	18-JAN-2011	22:22:29.865	22:32:38.840	608.97500
HO	82334	18-JAN-2011	23:32:31.285	23:46:53.394	862.10900
MM	82334	18-JAN-2011	23:42:51.704	23:54:34.335	702.63100
MA	82334	18-JAN-2011	22:45:40.980	22:50:13.003	272.02300

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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

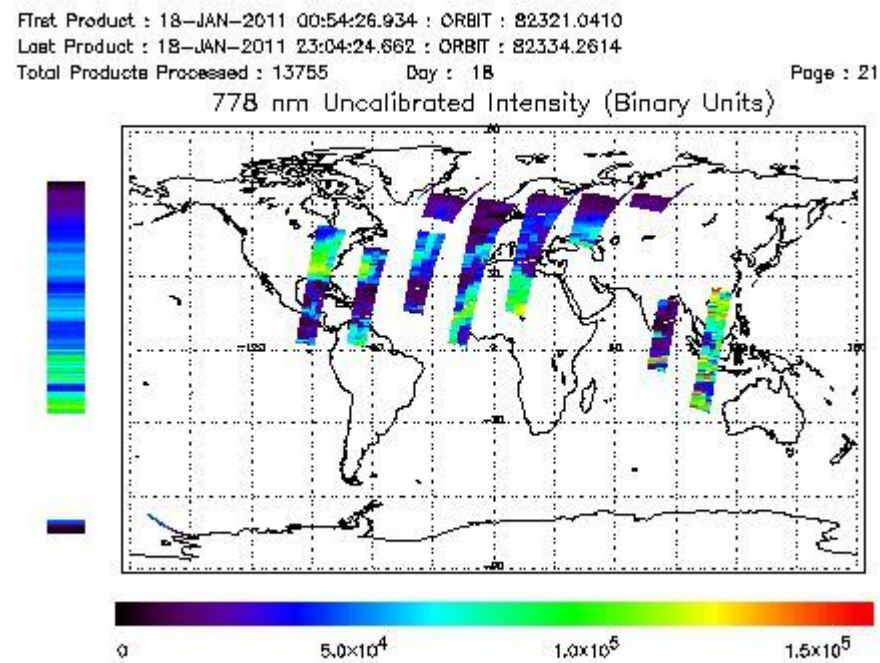
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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



Ozone Line Ratio

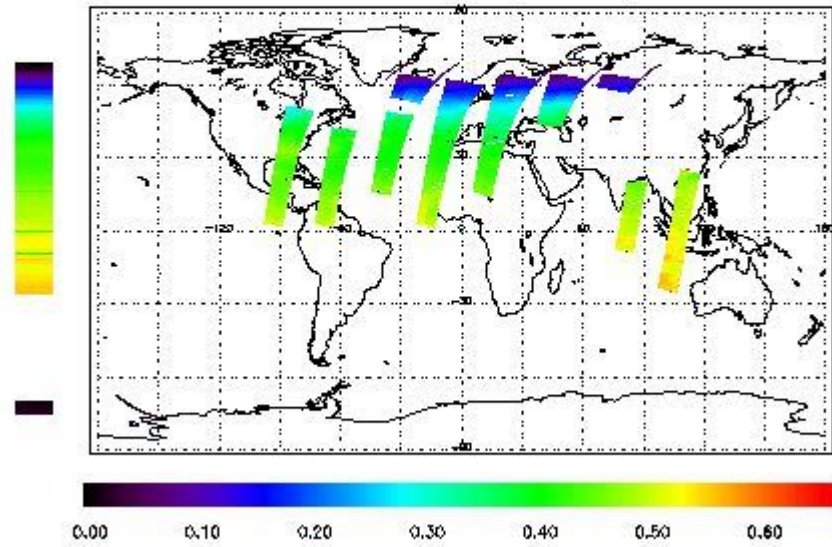
First Product : 18-JAN-2011 00:54:26.934 : ORBIT : 82321.0410

Last Product : 18-JAN-2011 23:04:24.662 : ORBIT : 82334.2614

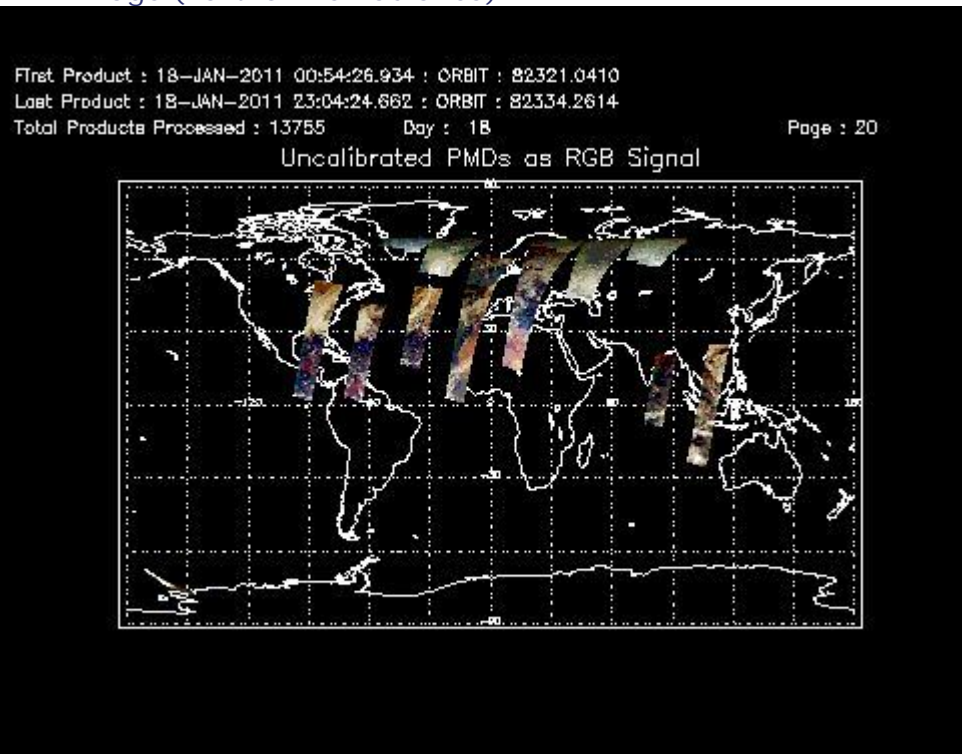
Total Products Processed : 13755 Day : 18

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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	11:23:47.326	--	82327	Yes	--	15772

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
--	--	--	--

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