GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-JAN-2011
Start Time of First Product	23:43:06 (16-Jan)
Stop Time of Last Product	23:35:38
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110117GSEP3728.E2	17-JAN-2011	01:31:09.244
EGOI_110117GSEP3760.E2	17-JAN-2011	03:08:54.847
EGOI_110117GSEP3770.E2	17-JAN-2011	04:51:50.989
EGOI_110117KSEP5882.E2	16-JAN-2011	23:59:08.679
EGOI_110117KSEP5898.E2	17-JAN-2011	06:50:35.226
EGOI_110117KSEP5916.E2	17-JAN-2011	08:30:31.345
EGOI_110117KSEP5941.E2	17-JAN-2011	10:10:15.458
EGOI_110117KSEP5972.E2	17-JAN-2011	11:49:41.573
EGOI_110117KSEP5990.E2	17-JAN-2011	13:28:43.689

EGOI_110117KSEP6009.E2	17-JAN-2011	15:07:26.301
EGOI_110117KSEP6026.E2	17-JAN-2011	16:45:01.405
EGOI_110117KSEP6055.E2	17-JAN-2011	18:22:50.010
EGOI_110117KSEP6087.E2	17-JAN-2011	20:01:32.618
EGOI_110117KSEP6116.E2	17-JAN-2011	21:42:27.242
EGOI_110117KSEP6134.E2	17-JAN-2011	23:25:42.885
EGOI_110117MAEP1938.E2	17-JAN-2011	08:38:28.391
EGOI_110117MAEP1957.E2	17-JAN-2011	10:17:34.999
EGOI_110117MIEP0479.E2	17-JAN-2011	03:04:47.323
EGOI_110117MIEP0505.E2	17-JAN-2011	04:45:43.450
EGOI_110117MIEP0528.E2	17-JAN-2011	15:24:57.907
EGOI_110117MIEP0555.E2	17-JAN-2011	17:04:48.027
EGOI_110117MSEP3869.E2	16-JAN-2011	23:43:05.577
EGOI_110117MSEP3892.E2	17-JAN-2011	10:24:50.052
EGOI_110117MSEP3921.E2	17-JAN-2011	12:02:41.651
EGOI_110117MSEP3930.E2	17-JAN-2011	13:45:49.796
EGOI_110117MSEP3953.E2	17-JAN-2011	21:35:19.699
EGOI_110117MSEP3986.E2	17-JAN-2011	23:11:36.799
EGOI_110117SGEP0812.E2	17-JAN-2011	03:46:17.578
EGOI_110117SGEP0819.E2	17-JAN-2011	14:48:39.684
EGOI_110117SGEP0826.E2	17-JAN-2011	16:26:20.792

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82306	16-JAN-2011	23:57:17.100	23:59:08.678	111.57800
KS	82310	17-JAN-2011	06:48:37.306	06:50:35.225	117.91900
KS	82311	17-JAN-2011	08:27:59.479	08:30:31.344	151.86500
KS	82312	17-JAN-2011	10:07:37.143	10:10:15.458	158.31500
KS	82313	17-JAN-2011	11:47:06.734	11:49:41.572	154.83800
KS	82314	17-JAN-2011	13:26:10.318	13:28:43.688	153.37000
KS	82315	17-JAN-2011	15:04:40.379	15:07:26.301	165.92200
KS	82316	17-JAN-2011	16:42:16.754	16:45:01.404	164.65000
KS	82317	17-JAN-2011	18:20:12.469	18:22:50.010	157.54100
KS	82318	17-JAN-2011	19:59:19.788	20:01:32.617	132.82900
KS	82319	17-JAN-2011	21:40:17.748	21:42:27.241	129.49300
KS	82320	17-JAN-2011	23:23:52.106	23:25:42.884	110.77800
GS	82307	17-JAN-2011	01:29:07.979	01:31:09.243	121.26400
GS	82308	17-JAN-2011	03:06:58.010	03:08:54.846	116.83600
MS	82312	17-JAN-2011	10:22:09.936	10:24:50.051	160.11500
MS	82313	17-JAN-2011	12:00:02.601	12:02:41.651	159.05000

MS	82320	17-JAN-2011	23:09:13.940	23:11:36.798	142.85800
MA	82311	17-JAN-2011	08:36:49.283	08:38:28.391	99.108000
MA	82312	17-JAN-2011	10:15:42.577	10:17:34.999	112.42200
MI	82308	17-JAN-2011	03:02:18.192	03:04:47.322	149.13000
MI	82309	17-JAN-2011	04:43:19.249	04:45:43.449	144.20000
MI	82315	17-JAN-2011	15:22:32.311	15:24:57.906	145.59500
MI	82316	17-JAN-2011	17:02:20.787	17:04:48.026	147.23900
SG	82308	17-JAN-2011	03:43:59.167	03:46:17.577	138.41000
SG	82308	17-JAN-2011	03:49:07.093	03:57:41.762	514.66900
SG	82315	17-JAN-2011	16:19:34.255	16:26:20.792	406.53700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82306	17-JAN-2011	00:34:57.872	00:49:22.126	864.25400
MM	82306	17-JAN-2011	00:46:46.429	00:57:31.112	644.68300
BE	82307	17-JAN-2011	01:54:15.454	02:05:40.708	685.25400
MM	82307	17-JAN-2011	02:29:17.536	02:37:52.830	515.29400
SG	82307	17-JAN-2011	02:07:37.322	02:15:53.257	495.93500
BE	82308	17-JAN-2011	03:33:02.943	03:46:05.898	782.95500
MM	82308	17-JAN-2011	04:12:22.876	04:18:44.840	381.96400
CM	82308	17-JAN-2011	03:02:46.604	03:12:16.327	569.72300
CM	82308	17-JAN-2011	04:40:45.971	04:52:20.371	694.40000
MM	82309	17-JAN-2011	05:54:49.150	06:00:46.355	357.20500
MM	82310	17-JAN-2011	07:35:57.359	07:43:49.141	471.78200
JO	82310	17-JAN-2011	07:14:27.026	07:27:36.796	789.77000
MM	82311	17-JAN-2011	09:16:25.385	09:26:35.264	609.87900
JO	82311	17-JAN-2011	08:52:56.151	09:07:17.220	861.06900
MM	82312	17-JAN-2011	10:56:35.504	11:08:23.339	707.83500
MM	82313	17-JAN-2011	12:36:32.166	12:49:07.196	755.03000
HO	82314	17-JAN-2011	14:25:15.848	14:37:34.586	738.73800
MM	82314	17-JAN-2011	14:16:14.345	14:28:57.863	763.51800
SG	82314	17-JAN-2011	14:40:14.109	14:52:39.949	745.84000
BE	82315	17-JAN-2011	14:50:02.060	15:02:44.924	762.86400
MM	82315	17-JAN-2011	15:55:40.304	16:08:15.655	755.35100
GS	82315	17-JAN-2011	15:16:26.451	15:29:50.878	804.42700

CM	82315	17-JAN-2011	15:26:21.971	15:35:56.685	574.71400
MM	82316	17-JAN-2011	17:34:52.043	17:47:23.838	751.79500
GS	82316	17-JAN-2011	16:55:57.761	17:08:52.620	774.85900
CM	82316	17-JAN-2011	17:04:40.590	17:16:08.685	688.09500
MM	82317	17-JAN-2011	19:14:01.084	19:26:40.145	759.06100
JO	82317	17-JAN-2011	19:34:30.297	19:46:40.985	730.68800
MM	82318	17-JAN-2011	20:53:28.613	21:06:12.218	763.60500
MA	82318	17-JAN-2011	19:52:34.106	20:05:33.336	779.23000
JO	82318	17-JAN-2011	21:12:43.223	21:27:24.103	880.88000
HO	82319	17-JAN-2011	22:26:09.191	22:38:14.781	725.59000
MM	82319	17-JAN-2011	22:33:37.767	22:46:00.198	742.43100
MA	82319	17-JAN-2011	21:31:52.264	21:44:50.584	778.32000

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

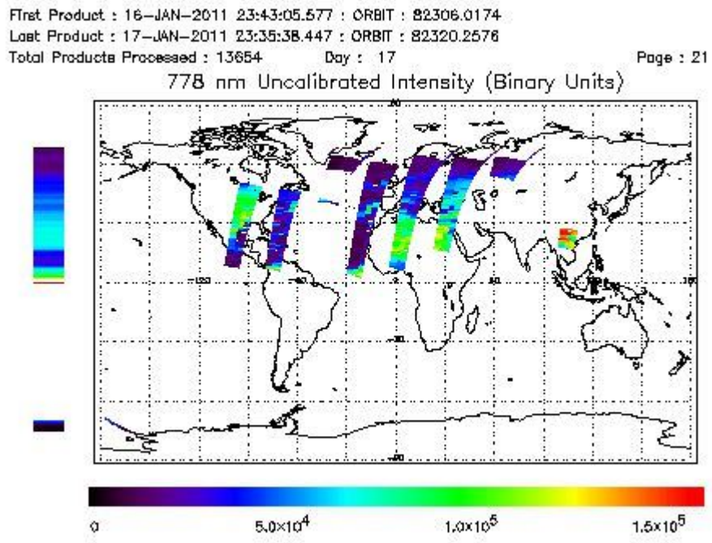
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

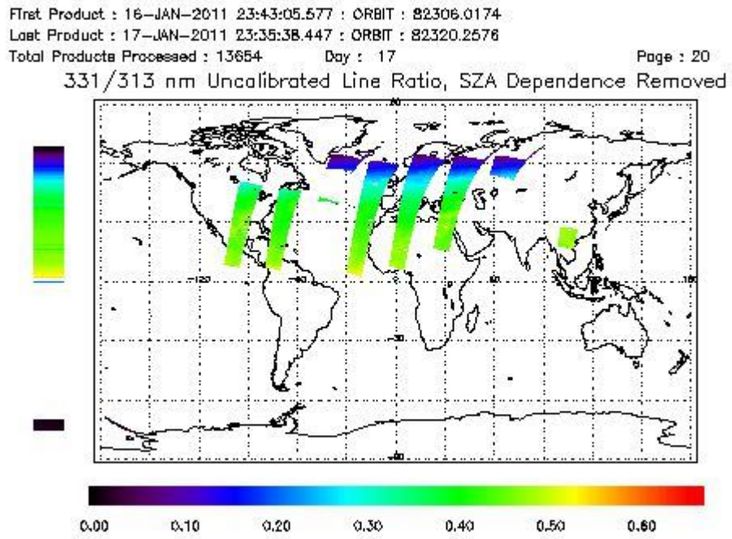
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

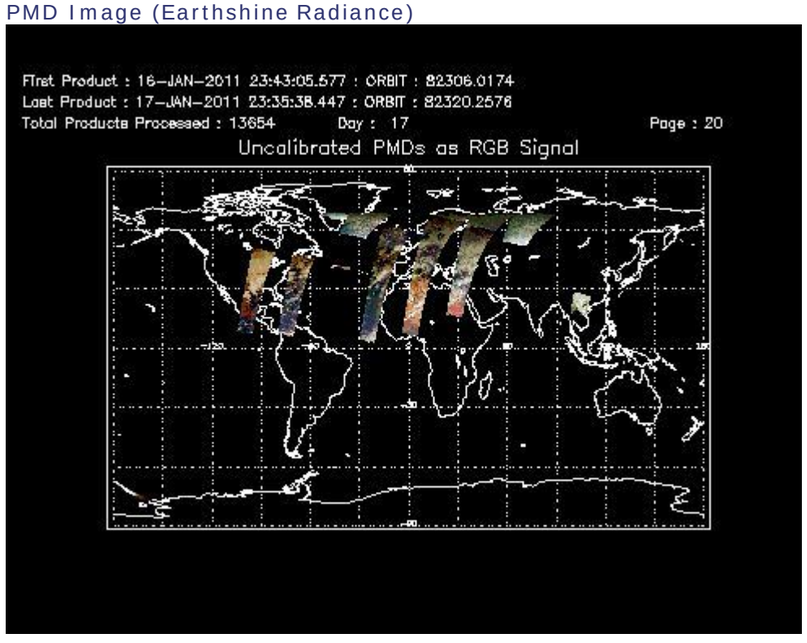
NEAR IR Intensity



Ozone Line Ratio



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	11:55:32.607	--	82313	Yes	--	15012

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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(1)

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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