GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-JAN-2011
Start Time of First Product	00:21:15
Stop Time of Last Product	22:33:08
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110119CMEP3300.E2	19-JAN-2011	17:44:12.082
EGOI_110119GSEP3873.E2	19-JAN-2011	02:06:54.293
EGOI_110119GSEP3904.E2	19-JAN-2011	03:46:23.404
EGOI_110119GSEP3912.E2	19-JAN-2011	05:29:10.538
EGOI_110119KSEP6427.E2	19-JAN-2011	07:27:26.266
EGOI_110119KSEP6446.E2	19-JAN-2011	09:07:32.890
EGOI_110119KSEP6470.E2	19-JAN-2011	10:47:12.509
EGOI_110119KSEP6492.E2	19-JAN-2011	12:26:32.617
EGOI_110119KSEP6508.E2	19-JAN-2011	14:05:31.729

EGOI_110119KSEP6534.E2	19-JAN-2011	15:43:32.336
EGOI_110119KSEP6549.E2	19-JAN-2011	17:21:19.445
EGOI_110119KSEP6579.E2	19-JAN-2011	18:59:17.049
EGOI_110119KSEP6609.E2	19-JAN-2011	20:38:44.661
EGOI_110119KSEP6637.E2	19-JAN-2011	22:20:43.796
EGOI_110119MAEP1984.E2	19-JAN-2011	09:14:46.428
EGOI_110119MAEP1994.E2	19-JAN-2011	10:54:42.547
EGOI_110119MAEP2013.E2	19-JAN-2011	22:12:37.745
EGOI_110119MIEP0688.E2	19-JAN-2011	02:05:04.781
EGOI_110119MIEP0717.E2	19-JAN-2011	03:41:27.872
EGOI_110119MIEP0739.E2	19-JAN-2011	14:25:43.858
EGOI_110119MIEP0761.E2	19-JAN-2011	16:01:35.446
EGOI_110119MIEP0784.E2	19-JAN-2011	17:43:31.578
EGOI_110119MSEP4109.E2	19-JAN-2011	00:21:14.633
EGOI_110119MSEP4129.E2	19-JAN-2011	11:00:27.588
EGOI_110119MSEP4149.E2	19-JAN-2011	12:39:56.699
EGOI_110119MSEP4177.E2	19-JAN-2011	22:10:06.229
EGOI_110119SGEP0860.E2	19-JAN-2011	17:01:53.824

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82339	19-JAN-2011	07:25:27.158	07:27:26.265	119.10700
KS	82340	19-JAN-2011	09:04:59.600	09:07:32.890	153.29000
KS	82341	19-JAN-2011	10:44:36.258	10:47:12.508	156.25000
KS	82342	19-JAN-2011	12:23:58.452	12:26:32.616	154.16400
KS	82343	19-JAN-2011	14:02:51.923	14:05:31.729	159.80600
KS	82344	19-JAN-2011	15:40:50.685	15:43:32.335	161.65000
KS	82345	19-JAN-2011	17:18:41.013	17:21:19.445	158.43200
KS	82346	19-JAN-2011	18:56:50.917	18:59:17.048	146.13100
KS	82347	19-JAN-2011	20:36:35.001	20:38:44.660	129.65900
KS	82348	19-JAN-2011	22:18:24.064	22:20:43.795	139.73100
GS	82336	19-JAN-2011	02:04:57.406	02:06:54.292	116.88600
GS	82337	19-JAN-2011	03:44:27.247	03:46:23.403	116.15600
MS	82335	19-JAN-2011	00:18:57.897	00:21:14.633	136.73600
MS	82341	19-JAN-2011	10:57:45.880	11:00:27.587	161.70700
MS	82342	19-JAN-2011	12:37:22.161	12:39:56.699	154.53800
MS	82348	19-JAN-2011	22:08:02.040	22:10:06.229	124.18900
MS	82349	19-JAN-2011	23:46:33.577	23:48:53.338	139.76100
MA	82340	19-JAN-2011	09:13:33.780	09:14:46.428	72.648000

MA	82341	19-JAN-2011	10:52:48.330	10:54:42.547	114.21700
MA	82348	19-JAN-2011	22:11:22.163	22:12:37.744	75.581000
MI	82336	19-JAN-2011	02:02:41.705	02:05:04.780	143.07500
MI	82337	19-JAN-2011	03:38:58.146	03:41:27.871	149.72500
MI	82343	19-JAN-2011	14:23:33.685	14:25:43.857	130.17200
MI	82344	19-JAN-2011	15:59:05.586	16:01:35.446	149.86000
MI	82345	19-JAN-2011	17:41:07.339	17:43:31.578	144.23900
SG	82344	19-JAN-2011	16:58:57.586	17:01:53.823	176.23700
CM	82345	19-JAN-2011	17:42:57.964	17:44:12.082	74.118000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82335	19-JAN-2011	01:12:47.825	01:25:45.766	777.94100
MM	82335	19-JAN-2011	01:24:44.462	01:34:45.564	601.10200
BE	82336	19-JAN-2011	02:30:36.246	02:43:38.970	782.72400
MM	82336	19-JAN-2011	03:07:33.916	03:15:15.619	461.70300
SG	82336	19-JAN-2011	02:42:17.751	02:54:46.453	748.70200
CM	82336	19-JAN-2011	03:38:13.234	03:50:10.140	716.90600
BE	82337	19-JAN-2011	04:10:23.043	04:22:02.094	699.05100
MM	82337	19-JAN-2011	04:50:34.911	04:56:28.251	353.34000
SG	82337	19-JAN-2011	04:21:40.696	04:33:35.560	714.86400
MM	82338	19-JAN-2011	06:32:30.467	06:38:59.874	389.40700
CM	82338	19-JAN-2011	05:19:28.212	05:27:36.150	487.93800
MM	82339	19-JAN-2011	08:13:19.238	08:22:04.632	525.39400
JO	82339	19-JAN-2011	07:50:19.782	08:05:03.671	883.88900
MM	82340	19-JAN-2011	09:53:39.357	10:04:31.592	652.23500
JO	82340	19-JAN-2011	09:31:11.500	09:43:10.588	719.08800
MM	82341	19-JAN-2011	11:33:44.410	11:45:55.367	730.95700
MM	82342	19-JAN-2011	13:13:35.912	13:26:17.563	761.65100
HO	82343	19-JAN-2011	15:03:00.416	15:11:56.324	535.90800
MM	82343	19-JAN-2011	14:53:12.215	15:05:53.335	761.12000
GS	82343	19-JAN-2011	14:15:08.987	14:24:51.348	582.36100
SG	82343	19-JAN-2011	15:16:20.330	15:30:09.961	829.63100
BE	82344	19-JAN-2011	15:28:18.720	15:38:54.298	635.57800
MM	82344	19-JAN-2011	16:32:32.231	16:45:04.939	752.70800

GS	82344	19-JAN-2011	15:53:13.017	16:07:08.897	835.88000
SG	82344	19-JAN-2011	16:58:57.586	17:05:41.353	403.76700
CM	82344	19-JAN-2011	16:02:05.824	16:14:07.640	721.81600
MM	82345	19-JAN-2011	18:11:41.040	18:24:14.621	753.58100
GS	82345	19-JAN-2011	17:33:20.234	17:44:31.056	670.82200
MM	82346	19-JAN-2011	19:50:54.146	20:03:36.380	762.23400
MA	82346	19-JAN-2011	18:55:53.081	19:00:17.539	264.45800
JO	82346	19-JAN-2011	20:10:26.762	20:24:52.332	865.57000
MM	82347	19-JAN-2011	21:30:34.626	21:43:14.583	759.95700
MA	82347	19-JAN-2011	20:28:47.809	20:42:32.303	824.49400
JO	82347	19-JAN-2011	21:50:11.972	22:03:13.771	781.79900
HO	82348	19-JAN-2011	23:01:58.890	23:15:29.546	810.65600
MM	82348	19-JAN-2011	23:11:04.105	23:23:07.921	723.81600

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

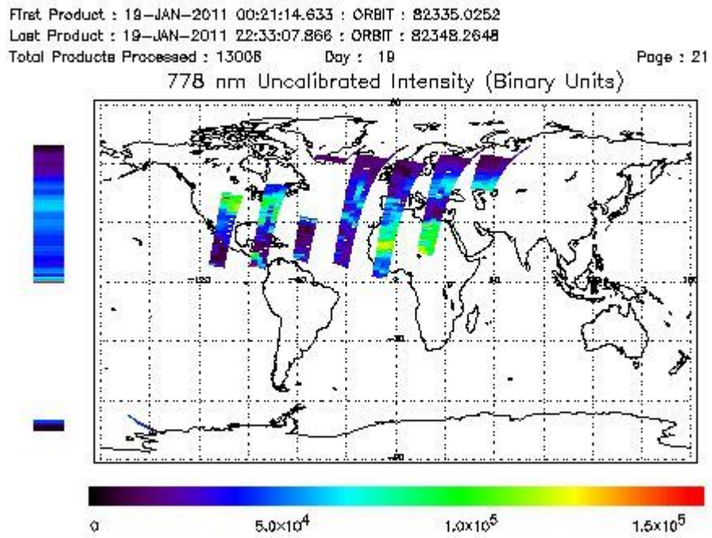
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

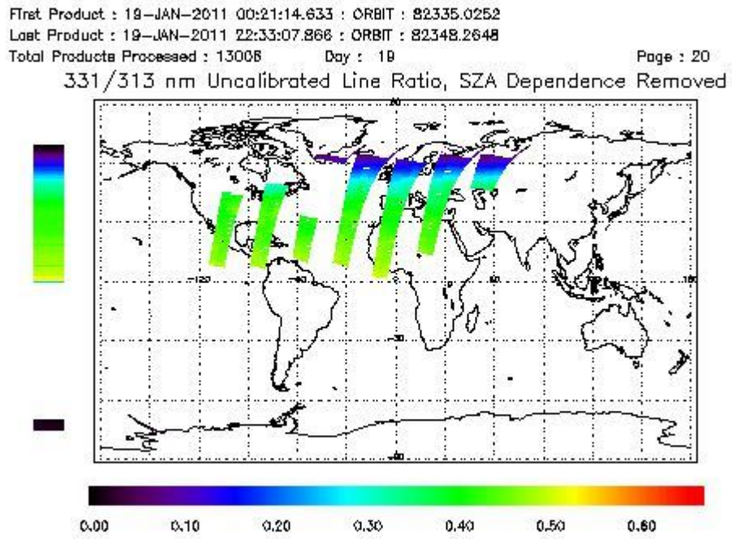
2.2 - Daily Plots

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

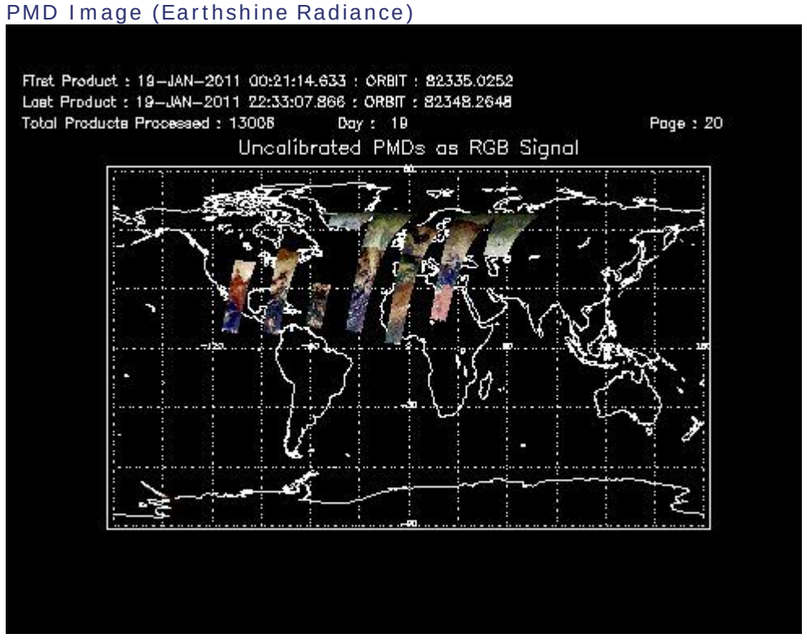
NEAR IR Intensity



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	10:52:08.032	--	82341	Yes	--	13929

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