GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-JAN-2011
Start Time of First Product	01:17:31
Stop Time of Last Product	23:21:27
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110127CMEP3537.E2	27-JAN-2011	02:50:58.734
EGOI_110127CMEP3548.E2	27-JAN-2011	15:14:21.317
EGOI_110127CMEP3554.E2	27-JAN-2011	16:51:47.416
EGOI_110127GSEP4468.E2	27-JAN-2011	01:17:31.158
EGOI_110127GSEP4500.E2	27-JAN-2011	02:54:40.758
EGOI_110127GSEP4528.E2	27-JAN-2011	04:36:44.388
EGOI_110127GSEP4535.E2	27-JAN-2011	06:18:48.019
EGOI_110127KSEP8349.E2	27-JAN-2011	06:36:22.620
EGOI_110127KSEP8369.E2	27-JAN-2011	08:16:21.743

EGOI_110127KSEP8393.E2	27-JAN-2011	09:55:56.851
EGOI_110127KSEP8423.E2	27-JAN-2011	11:35:30.466
EGOI_110127KSEP8439.E2	27-JAN-2011	13:14:37.083
EGOI_110127KSEP8448.E2	27-JAN-2011	14:53:21.187
EGOI_110127KSEP8475.E2	27-JAN-2011	16:31:00.791
EGOI_110127KSEP8504.E2	27-JAN-2011	18:08:59.895
EGOI_110127KSEP8535.E2	27-JAN-2011	19:47:16.998
EGOI_110127KSEP8564.E2	27-JAN-2011	21:27:50.619
EGOI_110127KSEP8582.E2	27-JAN-2011	23:11:52.758
EGOI_110127MAEP2242.E2	27-JAN-2011	08:24:51.786
EGOI_110127MAEP2259.E2	27-JAN-2011	10:03:23.897
EGOI_110127MIEP1434.E2	27-JAN-2011	02:50:49.734
EGOI_110127MIEP1462.E2	27-JAN-2011	04:30:48.849
EGOI_110127MIEP1490.E2	27-JAN-2011	15:11:06.296
EGOI_110127MIEP1519.E2	27-JAN-2011	16:50:14.408
EGOI_110127MSEP5026.E2	27-JAN-2011	10:11:14.945
EGOI_110127MSEP5049.E2	27-JAN-2011	11:48:27.546
EGOI_110127MSEP5071.E2	27-JAN-2011	13:30:10.174
EGOI_110127MSEP5092.E2	27-JAN-2011	21:22:05.583
EGOI_110127MSEP5119.E2	27-JAN-2011	22:57:10.668
EGOI_110127SGEP1041.E2	27-JAN-2011	01:57:56.905
EGOI_110127SGEP1047.E2	27-JAN-2011	03:32:51.496
EGOI_110127SGEP1054.E2	27-JAN-2011	14:29:10.538
EGOI_110127SGEP1061.E2	27-JAN-2011	16:08:02.146

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82453	27-JAN-2011	06:34:30.567	06:36:22.620	112.05300
KS	82454	27-JAN-2011	08:13:45.942	08:16:21.743	155.80100
KS	82455	27-JAN-2011	09:53:23.292	09:55:56.850	153.55800
KS	82456	27-JAN-2011	11:32:55.075	11:35:30.465	155.39000
KS	82457	27-JAN-2011	13:12:03.587	13:14:37.082	153.49500
KS	82458	27-JAN-2011	14:50:43.085	14:53:21.186	158.10100
KS	82459	27-JAN-2011	16:28:22.199	16:31:00.790	158.59100
KS	82460	27-JAN-2011	18:06:09.648	18:08:59.894	170.24600
KS	82461	27-JAN-2011	19:45:04.254	19:47:16.998	132.74400
KS	82462	27-JAN-2011	21:25:44.117	21:27:50.618	126.50100
KS	82463	27-JAN-2011	23:08:51.588	23:11:52.757	181.16900
GS	82450	27-JAN-2011	01:15:32.133	01:17:31.157	119.02400
GS	82451	27-JAN-2011	02:52:43.378	02:54:40.758	117.38000

GS	82452	27-JAN-2011	04:34:45.471	04:36:44.388	118.91700
MS	82455	27-JAN-2011	10:08:38.765	10:11:14.945	156.18000
MS	82456	27-JAN-2011	11:45:49.138	11:48:27.545	158.40700
MS	82457	27-JAN-2011	13:27:40.107	13:30:10.173	150.06600
MS	82463	27-JAN-2011	22:55:06.207	22:57:10.667	124.46000
MA	82454	27-JAN-2011	08:22:51.463	08:24:51.786	120.32300
MA	82455	27-JAN-2011	10:01:25.954	10:03:23.897	117.94300
MI	82451	27-JAN-2011	02:48:26.577	02:50:49.733	143.15600
MI	82452	27-JAN-2011	04:28:21.465	04:30:48.849	147.38400
MI	82458	27-JAN-2011	15:08:40.690	15:11:06.295	145.60500
MI	82459	27-JAN-2011	16:47:48.008	16:50:14.408	146.40000
SG	82451	27-JAN-2011	03:29:44.375	03:32:51.496	187.12100
SG	82457	27-JAN-2011	14:26:40.287	14:29:10.538	150.25100
SG	82458	27-JAN-2011	16:04:56.855	16:08:02.146	185.29100
CM	82451	27-JAN-2011	02:49:38.512	02:50:58.734	80.222000
CM	82458	27-JAN-2011	15:13:06.926	15:14:21.317	74.391000
CM	82459	27-JAN-2011	16:50:15.382	16:51:47.415	92.033000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82449	27-JAN-2011	00:20:34.117	00:35:12.187	878.07000
MM	82449	27-JAN-2011	00:32:12.609	00:43:12.275	659.66600
HO	82450	27-JAN-2011	02:04:47.918	02:12:07.012	439.09400
MM	82450	27-JAN-2011	02:14:35.581	02:23:31.307	535.72600
BE	82451	27-JAN-2011	03:18:46.593	03:32:04.958	798.36500
MM	82451	27-JAN-2011	03:57:39.547	04:04:17.113	397.56600
MM	82452	27-JAN-2011	05:40:16.328	05:46:06.540	350.21200
MM	82453	27-JAN-2011	07:21:33.829	07:29:05.278	451.44900
JO	82453	27-JAN-2011	07:00:55.359	07:13:02.434	727.07500
MM	82454	27-JAN-2011	09:02:05.577	09:11:57.477	591.90000
JO	82454	27-JAN-2011	08:38:30.067	08:53:16.637	886.57000
MM	82455	27-JAN-2011	10:42:17.747	10:53:54.784	697.03700
MM	82456	27-JAN-2011	12:22:16.343	12:34:47.430	751.08700
MA	82456	27-JAN-2011	11:42:55.033	11:49:28.174	393.14100
BE	82457	27-JAN-2011	12:57:21.426	13:08:49.662	688.23600

MM	82457	27-JAN-2011	14:02:00.712	14:14:44.608	763.89600
SG	82457	27-JAN-2011	14:26:40.287	14:37:56.737	676.45000
BE	82458	27-JAN-2011	14:35:34.171	14:48:41.334	787.16300
MM	82458	27-JAN-2011	15:41:29.021	15:54:05.654	756.63300
GS	82458	27-JAN-2011	15:02:22.590	15:15:18.994	776.40400
MM	82459	27-JAN-2011	17:20:42.348	17:33:13.904	751.55600
GS	82459	27-JAN-2011	16:41:39.061	16:54:59.869	800.80800
MM	82460	27-JAN-2011	18:59:50.657	19:12:28.357	757.70000
GS	82460	27-JAN-2011	18:22:50.799	18:29:51.196	420.39700
JO	82460	27-JAN-2011	19:20:59.703	19:31:36.534	636.83100
MM	82461	27-JAN-2011	20:39:14.060	20:51:58.046	763.98600
MA	82461	27-JAN-2011	19:38:48.829	19:50:55.075	726.24600
JO	82461	27-JAN-2011	20:58:26.594	21:13:23.466	896.87200
HO	82462	27-JAN-2011	22:12:38.584	22:23:50.150	671.56600
MM	82462	27-JAN-2011	22:19:16.023	22:31:43.886	747.86300
MA	82462	27-JAN-2011	21:17:25.251	21:30:39.051	793.80000
JO	82462	27-JAN-2011	22:40:35.777	22:48:04.252	448.47500
HO	82463	27-JAN-2011	23:49:30.006	00:03:57.671	867.66500

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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

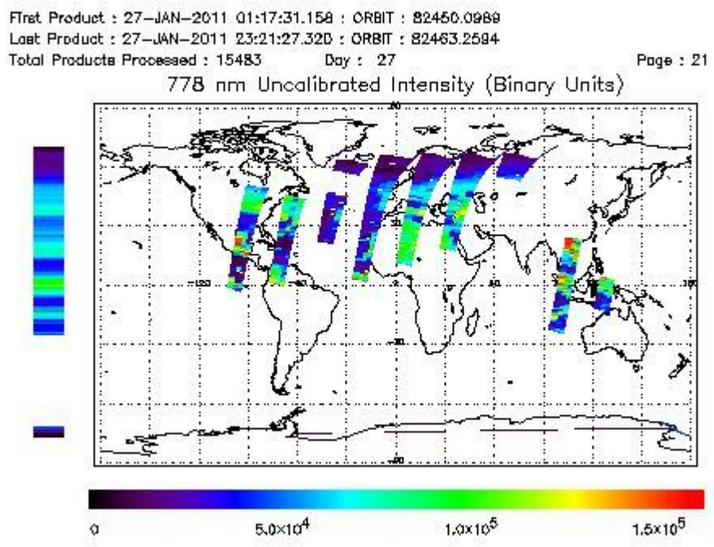
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

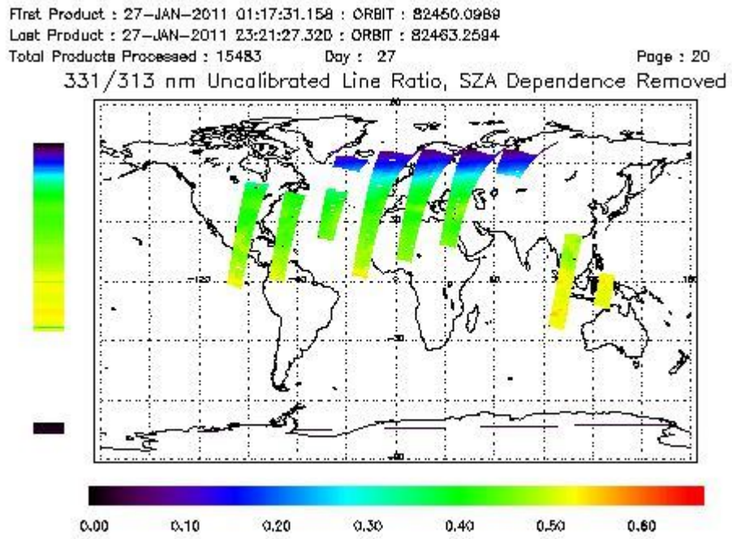
2.2 - Daily Plots

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

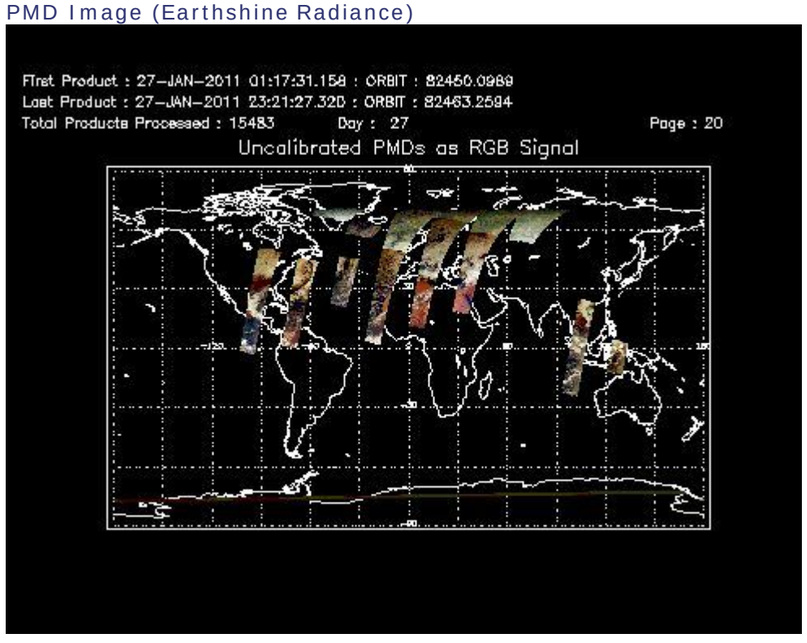
NEAR IR Intensity



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	13:21:01.121	--	82457	Yes	--	15377

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