GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-APR-2010
Start Time of First Product	23:55:16
Stop Time of Last Product	22:43:32
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100420BEEP2498.E2	20-APR-2010	02:43:33.693
EGOI_100420BEEP2504.E2	20-APR-2010	04:23:41.802
EGOI_100420GSEP4549.E2	20-APR-2010	02:17:06.533
EGOI_100420GSEP4574.E2	20-APR-2010	03:57:20.642
EGOI_100420GSEP4581.E2	20-APR-2010	05:39:40.763
EGOI_100420KSEP1752.E2	20-APR-2010	07:37:57.990
EGOI_100420KSEP1772.E2	20-APR-2010	09:17:58.601
EGOI_100420KSEP1795.E2	20-APR-2010	10:57:36.707
EGOI_100420KSEP1820.E2	20-APR-2010	12:36:53.814

EGOI_100420KSEP1842.E2	20-APR-2010	14:15:49.925
EGOI_100420KSEP1858.E2	20-APR-2010	15:53:40.016
EGOI_100420KSEP1884.E2	20-APR-2010	17:31:36.115
EGOI_100420KSEP1916.E2	20-APR-2010	19:09:26.214
EGOI_100420KSEP1947.E2	20-APR-2010	20:49:13.325
EGOI_100420KSEP1975.E2	20-APR-2010	22:31:18.447
EGOI_100420MAEP1304.E2	20-APR-2010	09:25:48.148
EGOI_100420MAEP1312.E2	20-APR-2010	11:05:15.758
EGOI_100420MAEP1330.E2	20-APR-2010	22:23:22.901
EGOI_100420MIEP0053.E2	20-APR-2010	02:14:36.517
EGOI_100420MIEP0073.E2	20-APR-2010	03:52:38.615
EGOI_100420MIEP0090.E2	20-APR-2010	14:34:59.034
EGOI_100420MIEP0117.E2	20-APR-2010	16:11:52.126
EGOI_100420MIEP0136.E2	20-APR-2010	17:55:00.257
EGOI_100420MMEP6885.E2	19-APR-2010	23:55:16.164
EGOI_100420MMEP6893.E2	20-APR-2010	01:36:39.285
EGOI_100420MMEP6899.E2	20-APR-2010	03:19:30.912
EGOI_100420MMEP6909.E2	20-APR-2010	11:46:04.004
EGOI_100420MMEP6923.E2	20-APR-2010	20:03:29.547
EGOI_100420MMEP6932.E2	20-APR-2010	21:43:52.661
EGOI_100420MSEP2606.E2	20-APR-2010	00:32:19.391
EGOI_100420MSEP2628.E2	20-APR-2010	11:10:50.295
EGOI_100420MSEP2653.E2	20-APR-2010	12:50:43.404
EGOI_100420MSEP2682.E2	20-APR-2010	22:20:07.877
EGOI_100420SGEP5018.E2	20-APR-2010	02:55:00.759
EGOI_100420SGEP5023.E2	20-APR-2010	04:34:43.369
EGOI_100420SGEP5029.E2	20-APR-2010	13:54:00.288
EGOI_100420SGEP5035.E2	20-APR-2010	15:29:17.368

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78417	20-APR-2010	07:36:48.595	07:37:57.990	69.395000
KS	78418	20-APR-2010	09:16:22.842	09:17:58.600	95.758000
KS	78419	20-APR-2010	10:55:58.707	10:57:36.707	98.000000
KS	78420	20-APR-2010	12:35:18.102	12:36:53.813	95.711000
KS	78421	20-APR-2010	14:14:09.878	14:15:49.925	100.04700
KS	78422	20-APR-2010	15:52:00.777	15:53:40.016	99.239000
KS	78423	20-APR-2010	17:29:55.436	17:31:36.115	100.67900
KS	78424	20-APR-2010	19:08:09.683	19:09:26.214	76.531000
KS	78425	20-APR-2010	20:48:06.114	20:49:13.325	67.211000
KS	78426	20-APR-2010	22:30:12.247	22:31:18.446	66.199000

GS	78415	20-APR-2010	03:56:08.241	03:57:20.641	72.400000
MS	78413	20-APR-2010	00:31:01.768	00:32:19.391	77.623000
MS	78419	20-APR-2010	11:09:05.066	11:10:50.295	105.22900
MS	78420	20-APR-2010	12:49:04.846	12:50:43.404	98.558000
MS	78426	20-APR-2010	22:18:57.672	22:20:07.876	70.204000
MS	78427	20-APR-2010	23:58:14.332	23:59:33.992	79.660000
MA	78418	20-APR-2010	09:24:32.320	09:25:48.147	75.827000
MI	78414	20-APR-2010	02:13:12.136	02:14:36.516	84.380000
MI	78415	20-APR-2010	03:50:25.779	03:52:38.615	132.83600
MI	78421	20-APR-2010	14:33:37.238	14:34:59.034	81.796000
MI	78422	20-APR-2010	16:10:27.785	16:11:52.126	84.341000
MI	78423	20-APR-2010	17:53:58.535	17:55:00.257	61.722000
MM	78424	20-APR-2010	20:02:15.791	20:03:29.546	73.755000
MM	78425	20-APR-2010	21:42:00.885	21:43:52.661	111.77600
BE	78414	20-APR-2010	02:41:53.106	02:43:33.693	100.58700
BE	78415	20-APR-2010	04:21:57.053	04:23:41.802	104.74900
SG	78414	20-APR-2010	02:53:18.267	02:55:00.758	102.49100
SG	78414	20-APR-2010	02:55:48.766	03:06:25.056	636.29000
SG	78415	20-APR-2010	04:33:31.445	04:34:43.368	71.923000
SG	78415	20-APR-2010	04:38:05.887	04:44:22.063	376.17600
SG	78421	20-APR-2010	15:27:38.351	15:29:17.368	99.017000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78413	20-APR-2010	01:24:35.965	01:36:51.813	735.84800
GS	78413	20-APR-2010	00:40:47.640	00:48:39.813	472.17300
CM	78414	20-APR-2010	03:49:22.529	04:01:38.356	735.82700
MM	78415	20-APR-2010	05:02:18.264	05:08:07.093	348.82900
MM	78416	20-APR-2010	06:44:04.230	06:50:46.738	402.50800
KS	78416	20-APR-2010	05:58:10.510	06:02:58.016	287.50600
CM	78416	20-APR-2010	05:31:59.633	05:37:52.291	352.65800
JO	78416	20-APR-2010	06:26:56.999	06:34:15.820	438.82100
MM	78417	20-APR-2010	08:24:48.257	08:33:49.879	541.62200
JO	78417	20-APR-2010	08:01:32.545	08:16:28.823	896.27800
MM	78418	20-APR-2010	10:05:06.324	10:16:10.215	663.89100

JO	78418	20-APR-2010	09:43:15.596	09:53:58.613	643.01700
HO	78419	20-APR-2010	11:54:36.306	12:07:41.222	784.91600
HO	78420	20-APR-2010	13:33:31.638	13:48:11.180	879.54200
MM	78420	20-APR-2010	13:24:59.727	13:37:42.482	762.75500
BE	78421	20-APR-2010	13:58:29.207	14:11:52.265	803.05800
HO	78421	20-APR-2010	15:14:42.019	15:22:49.045	487.02600
MM	78421	20-APR-2010	15:04:34.167	15:17:14.288	760.12100
GS	78421	20-APR-2010	14:26:08.554	14:36:54.930	646.37600
BE	78422	20-APR-2010	15:40:21.417	15:49:50.675	569.25800
MM	78422	20-APR-2010	16:43:52.462	16:56:24.639	752.17700
GS	78422	20-APR-2010	16:04:34.887	16:18:29.907	835.02000
CM	78422	20-APR-2010	16:13:18.473	16:25:37.211	738.73800
MM	78423	20-APR-2010	18:23:00.783	18:35:35.196	754.41300
GS	78423	20-APR-2010	17:44:53.901	17:55:20.337	626.43600
CM	78423	20-APR-2010	17:55:12.657	18:01:19.001	366.34400
MA	78424	20-APR-2010	19:05:58.017	19:12:57.324	419.30700
JO	78424	20-APR-2010	20:21:39.428	20:36:24.912	885.48400
MA	78425	20-APR-2010	20:40:04.380	20:53:45.585	821.20500
JO	78425	20-APR-2010	22:01:51.687	22:14:02.753	731.06600
HO	78426	20-APR-2010	23:12:57.424	23:26:55.895	838.47100
MM	78426	20-APR-2010	23:22:37.036	23:34:33.741	716.70500

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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

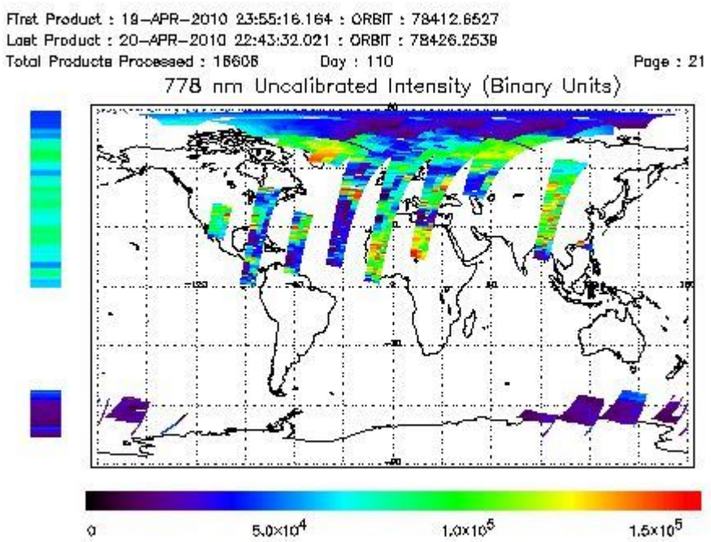
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK

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

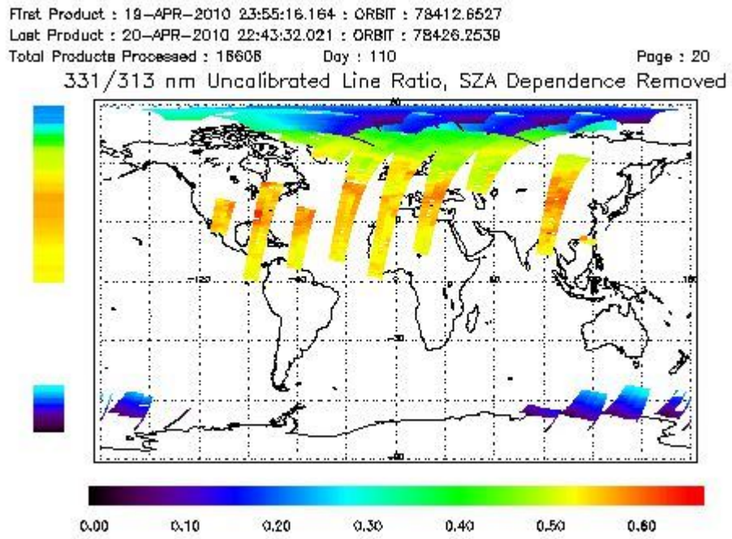
2.2 - Daily Plots

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

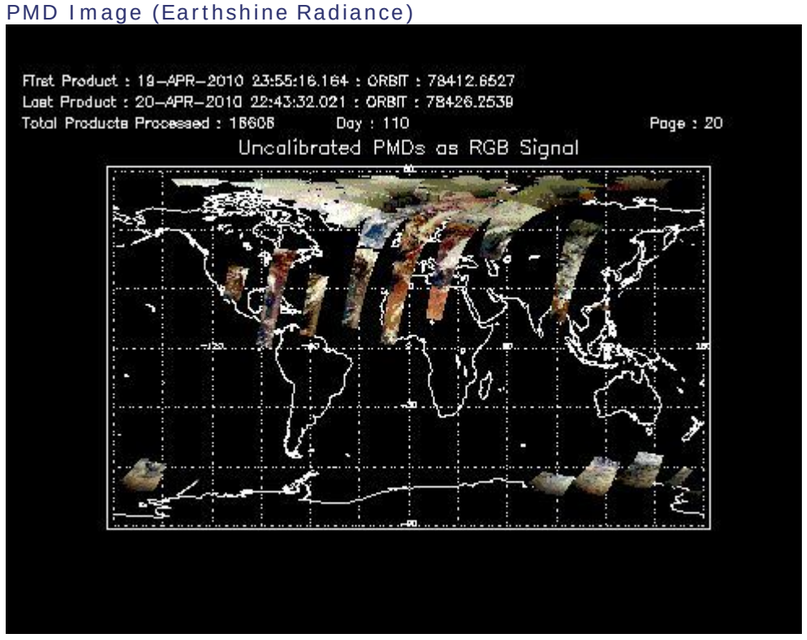
NEAR IR Intensity



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	17:35:27.138	--	78423	Yes	--	15085

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