GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-FEB-2010
Start Time of First Product	23:47:10 (21-Feb)
Stop Time of Last Product	23:20:08
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100222BEEP1983.E2	22-FEB-2010	02:35:31.678
EGOI_100222BEEP1989.E2	22-FEB-2010	04:17:44.309
EGOI_100222CMEP6785.E2	22-FEB-2010	16:06:09.652
EGOI_100222CMEP6791.E2	22-FEB-2010	17:47:08.776
EGOI_100222GSEP0280.E2	22-FEB-2010	02:09:12.017
EGOI_100222GSEP0307.E2	22-FEB-2010	03:48:56.128
EGOI_100222GSEP0315.E2	22-FEB-2010	05:31:31.259
EGOI_100222HLEP5075.E2	22-FEB-2010	13:27:02.677
EGOI_100222HLEP5087.E2	22-FEB-2010	21:32:43.161

EGOI_100222HLEP5094.E2	22-FEB-2010	23:17:22.804
EGOI_100222KSEP6474.E2	22-FEB-2010	07:29:54.490
EGOI_100222KSEP6496.E2	22-FEB-2010	09:09:55.102
EGOI_100222KSEP6522.E2	22-FEB-2010	10:49:33.216
EGOI_100222KSEP6551.E2	22-FEB-2010	12:28:53.320
EGOI_100222KSEP6570.E2	22-FEB-2010	14:07:50.928
EGOI_100222KSEP6599.E2	22-FEB-2010	15:45:50.031
EGOI_100222KSEP6630.E2	22-FEB-2010	17:23:40.131
EGOI_100222KSEP6664.E2	22-FEB-2010	19:01:30.232
EGOI_100222KSEP6697.E2	22-FEB-2010	20:41:03.844
EGOI_100222KSEP6724.E2	22-FEB-2010	22:22:56.975
EGOI_100222MAEP9178.E2	22-FEB-2010	09:17:52.149
EGOI_100222MAEP9186.E2	22-FEB-2010	10:57:07.756
EGOI_100222MAEP9204.E2	22-FEB-2010	22:15:01.420
EGOI_100222MIEP4075.E2	22-FEB-2010	02:07:12.006
EGOI_100222MIEP4097.E2	22-FEB-2010	03:43:44.097
EGOI_100222MIEP4116.E2	22-FEB-2010	14:27:43.549
EGOI_100222MIEP4131.E2	22-FEB-2010	16:03:53.141
EGOI_100222MIEP4142.E2	22-FEB-2010	17:46:01.274
EGOI_100222MMEP4282.E2	21-FEB-2010	23:47:09.643
EGOI_100222MMEP4290.E2	22-FEB-2010	01:28:10.261
EGOI_100222MMEP4297.E2	22-FEB-2010	04:53:50.530
EGOI_100222MMEP4304.E2	22-FEB-2010	06:35:52.649
EGOI_100222MMEP4310.E2	22-FEB-2010	08:17:02.271
EGOI_100222MMEP4321.E2	22-FEB-2010	14:57:13.723
EGOI_100222MMEP4328.E2	22-FEB-2010	21:35:38.677
EGOI_100222MSEP5873.E2	22-FEB-2010	00:24:21.875
EGOI_100222MSEP5896.E2	22-FEB-2010	11:02:52.791
EGOI_100222MSEP5923.E2	22-FEB-2010	12:42:20.402
EGOI_100222MSEP5949.E2	22-FEB-2010	22:12:25.404
EGOI_100222SGEP3869.E2	22-FEB-2010	02:46:58.749
EGOI_100222SGEP3876.E2	22-FEB-2010	04:26:24.863
EGOI_100222SGEP3884.E2	22-FEB-2010	17:04:25.014

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77601	22-FEB-2010	07:28:17.468	07:29:54.490	97.022000
KS	77602	22-FEB-2010	09:07:50.407	09:09:55.101	124.69400
KS	77603	22-FEB-2010	10:47:26.888	10:49:33.215	126.32700
KS	77604	22-FEB-2010	12:26:48.404	12:28:53.319	124.91500
KS	77605	22-FEB-2010	14:05:41.590	14:07:50.927	129.33700
KS	77606	22-FEB-2010	15:43:38.234	15:45:50.031	131.79700

KS	77607	22-FEB-2010	17:21:29.749	17:23:40.130	130.38100
KS	77608	22-FEB-2010	18:59:40.499	19:01:30.232	109.73300
KS	77609	22-FEB-2010	20:39:27.624	20:41:03.844	96.220000
KS	77610	22-FEB-2010	22:21:20.889	22:22:56.974	96.085000
GS	77598	22-FEB-2010	02:07:44.303	02:09:12.017	87.714000
GS	77599	22-FEB-2010	03:47:22.060	03:48:56.127	94.067000
MS	77597	22-FEB-2010	00:21:57.772	00:24:21.875	144.10300
MS	77603	22-FEB-2010	11:00:39.893	11:02:52.790	132.89700
MS	77604	22-FEB-2010	12:40:15.481	12:42:20.402	124.92100
MS	77610	22-FEB-2010	22:10:45.360	22:12:25.403	100.04300
MS	77611	22-FEB-2010	23:49:28.186	23:51:20.011	111.82500
MA	77602	22-FEB-2010	09:16:23.991	09:17:52.149	88.158000
MA	77603	22-FEB-2010	10:55:42.428	10:57:07.756	85.328000
MI	77598	22-FEB-2010	02:05:17.998	02:07:12.006	114.00800
MI	77599	22-FEB-2010	03:41:49.566	03:43:44.097	114.53100
MI	77605	22-FEB-2010	14:25:59.567	14:27:43.549	103.98200
MI	77606	22-FEB-2010	16:01:55.833	16:03:53.141	117.30800
MI	77607	22-FEB-2010	17:44:13.920	17:46:01.273	107.35300
MM	77605	22-FEB-2010	14:56:02.722	14:57:13.723	71.001000
MM	77609	22-FEB-2010	21:33:26.128	21:35:38.677	132.54900
BE	77598	22-FEB-2010	02:33:25.248	02:35:31.678	126.43000
BE	77599	22-FEB-2010	04:13:16.297	04:17:44.309	268.01200
SG	77598	22-FEB-2010	02:45:02.240	02:46:58.748	116.50800
SG	77599	22-FEB-2010	04:24:37.540	04:26:24.862	107.32200
CM	77606	22-FEB-2010	16:04:53.528	16:06:09.651	76.123000
CM	77607	22-FEB-2010	17:45:59.468	17:47:08.776	69.308000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77597	22-FEB-2010	01:15:43.496	01:28:32.735	769.23900
MM	77598	22-FEB-2010	03:10:30.697	03:18:08.339	457.64200
CM	77598	22-FEB-2010	03:40:59.991	03:53:02.614	722.62300
KS	77600	22-FEB-2010	05:49:59.234	05:52:29.519	150.28500
CM	77600	22-FEB-2010	05:22:33.150	05:30:13.018	459.86800
JO	77601	22-FEB-2010	07:53:07.545	08:07:55.212	887.66700

MM	77602	22-FEB-2010	09:56:31.115	10:07:26.326	655.21100
JO	77602	22-FEB-2010	09:34:11.481	09:45:53.489	702.00800
MM	77603	22-FEB-2010	11:36:35.787	11:48:48.235	732.44800
MM	77604	22-FEB-2010	13:16:26.883	13:29:08.848	761.96500
HO	77605	22-FEB-2010	15:05:55.402	15:14:40.125	524.72300
GS	77605	22-FEB-2010	14:17:53.258	14:27:53.106	599.84800
SG	77605	22-FEB-2010	15:19:09.368	15:33:00.774	831.40600
BE	77606	22-FEB-2010	15:31:18.477	15:41:39.083	620.60600
MM	77606	22-FEB-2010	16:35:22.302	16:47:54.864	752.56200
GS	77606	22-FEB-2010	15:56:03.367	16:09:59.471	836.10400
MM	77607	22-FEB-2010	18:14:30.971	18:27:04.748	753.77700
GS	77607	22-FEB-2010	17:36:13.452	17:47:13.799	660.34700
MM	77608	22-FEB-2010	19:53:44.522	20:06:26.954	762.43200
MA	77608	22-FEB-2010	18:58:20.876	19:03:08.704	287.82800
JO	77608	22-FEB-2010	20:13:14.602	20:27:45.949	871.34700
MA	77609	22-FEB-2010	20:31:36.614	20:45:19.342	822.72800
JO	77609	22-FEB-2010	21:53:06.481	22:05:56.654	770.17300
HO	77610	22-FEB-2010	23:04:43.766	23:18:21.243	817.47700
MM	77610	22-FEB-2010	23:13:57.258	23:25:59.359	722.10100

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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

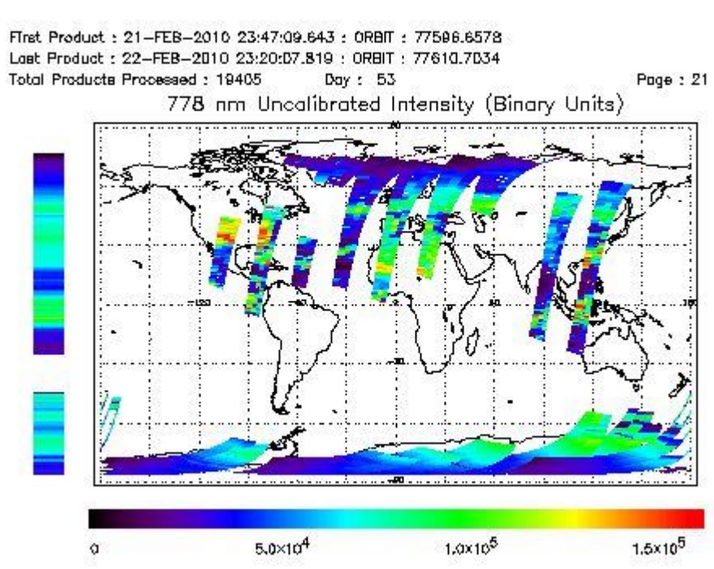
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

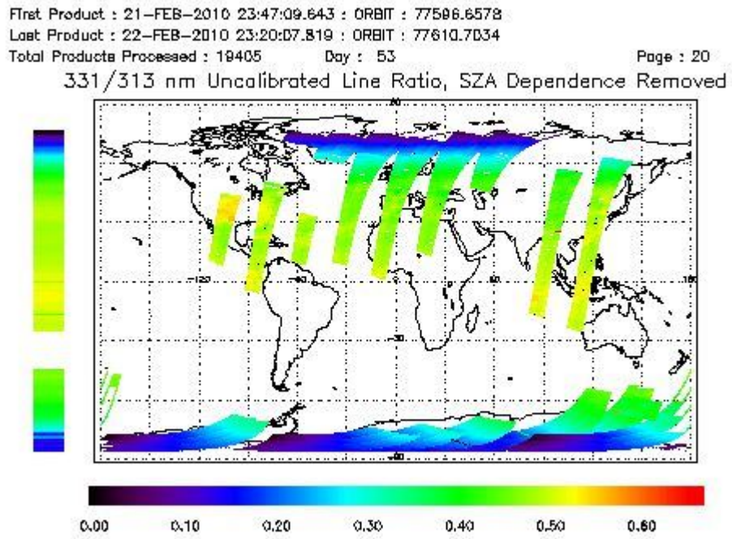
2.2 - Daily Plots

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

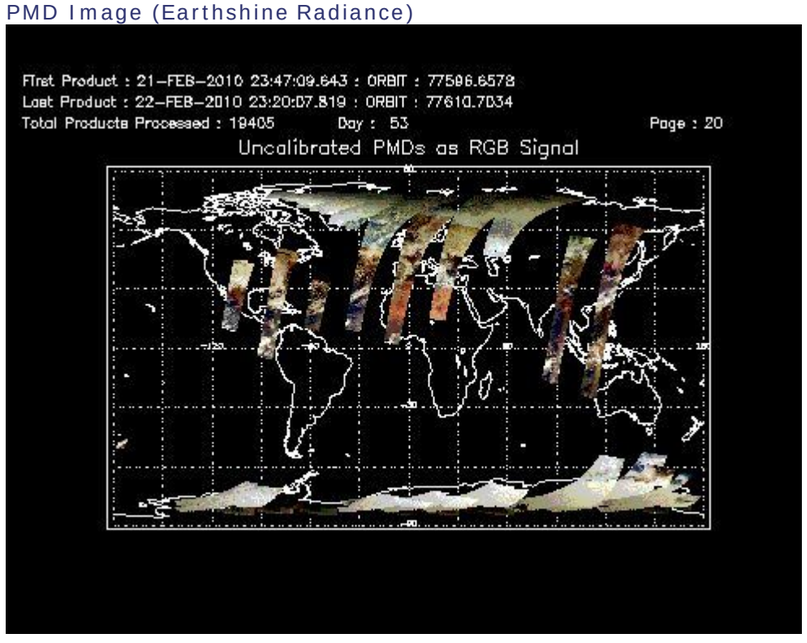
NEAR IR Intensity



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	10:51:16.720	--	77603	Yes	--	15783

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
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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