GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-APR-2010
Start Time of First Product	00:32:36
Stop Time of Last Product	23:20:28
Number of EGOI Products analysed	45
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100422BEEP2522.E2	22-APR-2010	03:20:26.418
EGOI_100422CMEP7585.E2	22-APR-2010	02:51:12.739
EGOI_100422CMEP7595.E2	22-APR-2010	15:15:57.793
EGOI_100422CMEP7601.E2	22-APR-2010	16:52:31.379
EGOI_100422GSEP4678.E2	22-APR-2010	01:16:31.664
EGOI_100422GSEP4710.E2	22-APR-2010	02:53:44.262
EGOI_100422GSEP4738.E2	22-APR-2010	04:35:46.379
EGOI_100422GSEP4745.E2	22-APR-2010	06:17:45.506
EGOI_100422KSEP2234.E2	22-APR-2010	06:35:24.606

EGOI_100422KSEP2261.E2	22-APR-2010	08:15:22.221
EGOI_100422KSEP2279.E2	22-APR-2010	09:54:58.830
EGOI_100422KSEP2301.E2	22-APR-2010	11:34:35.437
EGOI_100422KSEP2330.E2	22-APR-2010	13:13:39.044
EGOI_100422KSEP2341.E2	22-APR-2010	14:52:23.147
EGOI_100422KSEP2364.E2	22-APR-2010	16:30:01.246
EGOI_100422KSEP2393.E2	22-APR-2010	18:08:01.845
EGOI_100422KSEP2424.E2	22-APR-2010	19:46:18.948
EGOI_100422KSEP2446.E2	22-APR-2010	21:26:51.059
EGOI_100422KSEP2464.E2	22-APR-2010	23:09:44.188
EGOI_100422MAEP1416.E2	22-APR-2010	08:23:38.771
EGOI_100422MAEP1431.E2	22-APR-2010	10:02:27.377
EGOI_100422MAEP1448.E2	22-APR-2010	21:19:10.516
EGOI_100422MIEP0279.E2	22-APR-2010	02:49:51.735
EGOI_100422MIEP0307.E2	22-APR-2010	04:29:47.844
EGOI_100422MIEP0334.E2	22-APR-2010	15:10:03.753
EGOI_100422MIEP0363.E2	22-APR-2010	16:49:14.861
EGOI_100422MMEP7022.E2	22-APR-2010	00:32:35.893
EGOI_100422MMEP7028.E2	22-APR-2010	02:14:39.516
EGOI_100422MMEP7037.E2	22-APR-2010	07:21:42.896
EGOI_100422MMEP7045.E2	22-APR-2010	09:02:33.010
EGOI_100422MMEP7050.E2	22-APR-2010	10:42:56.123
EGOI_100422MMEP7062.E2	22-APR-2010	14:02:37.846
EGOI_100422MMEP7069.E2	22-APR-2010	15:42:08.456
EGOI_100422MMEP7075.E2	22-APR-2010	17:22:18.064
EGOI_100422MMEP7083.E2	22-APR-2010	20:40:17.773
EGOI_100422MMEP7090.E2	22-APR-2010	22:20:22.884
EGOI_100422MSEP2839.E2	22-APR-2010	10:10:16.929
EGOI_100422MSEP2869.E2	22-APR-2010	11:47:29.519
EGOI_100422MSEP2890.E2	22-APR-2010	13:29:28.647
EGOI_100422MSEP2905.E2	22-APR-2010	21:21:15.027
EGOI_100422MSEP2937.E2	22-APR-2010	22:56:17.110
EGOI_100422SGEP5071.E2	22-APR-2010	01:56:57.407
EGOI_100422SGEP5079.E2	22-APR-2010	03:31:51.989
EGOI_100422SGEP5084.E2	22-APR-2010	14:36:21.550
EGOI_100422SGEP5090.E2	22-APR-2010	16:15:10.153

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78446	22-APR-2010	08:13:45.941	08:15:22.221	96.280000
KS	78447	22-APR-2010	09:53:23.291	09:54:58.830	95.539000
KS	78448	22-APR-2010	11:32:55.074	11:34:35.437	100.36300
KS	78449	22-APR-2010	13:12:03.586	13:13:39.044	95.458000

KS	78450	22-APR-2010	14:50:43.084	14:52:23.146	100.06200
KS	78451	22-APR-2010	16:28:22.198	16:30:01.246	99.048000
KS	78452	22-APR-2010	18:06:09.646	18:08:01.845	112.19900
KS	78453	22-APR-2010	19:45:04.253	19:46:18.947	74.694000
KS	78454	22-APR-2010	21:25:44.116	21:26:51.059	66.943000
GS	78443	22-APR-2010	02:52:43.377	02:53:44.261	60.884000
GS	78444	22-APR-2010	04:34:45.470	04:35:46.379	60.909000
MS	78447	22-APR-2010	10:08:38.764	10:10:16.928	98.164000
MS	78448	22-APR-2010	11:45:49.137	11:47:29.519	100.38200
MS	78449	22-APR-2010	13:27:40.106	13:29:28.647	108.54100
MS	78455	22-APR-2010	22:55:06.207	22:56:17.109	70.902000
MA	78447	22-APR-2010	10:01:25.953	10:02:27.377	61.424000
MA	78454	22-APR-2010	21:17:25.250	21:19:10.516	105.26600
MI	78443	22-APR-2010	02:48:26.576	02:49:51.735	85.159000
MI	78444	22-APR-2010	04:28:21.464	04:29:47.844	86.380000
MI	78450	22-APR-2010	15:08:40.689	15:10:03.753	83.064000
MI	78451	22-APR-2010	16:47:48.007	16:49:14.860	86.853000
MM	78451	22-APR-2010	17:20:42.347	17:22:18.064	95.717000
MM	78453	22-APR-2010	20:39:14.059	20:40:17.772	63.713000
MM	78454	22-APR-2010	22:19:16.022	22:20:22.883	66.861000
BE	78443	22-APR-2010	03:18:46.592	03:20:26.417	99.825000
SG	78443	22-APR-2010	03:29:44.374	03:31:51.988	127.61400
SG	78443	22-APR-2010	03:38:19.027	03:43:37.316	318.28900
CM	78443	22-APR-2010	02:49:38.511	02:51:12.739	94.228000
CM	78450	22-APR-2010	15:13:06.925	15:15:57.793	170.86800
CM	78451	22-APR-2010	16:50:15.381	16:52:31.379	135.99800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78441	22-APR-2010	00:20:34.116	00:35:12.186	878.07000
HO	78442	22-APR-2010	02:04:47.917	02:12:07.011	439.09400
MM	78443	22-APR-2010	03:57:39.546	04:04:17.112	397.56600
MM	78444	22-APR-2010	05:40:16.327	05:46:06.539	350.21200
JO	78445	22-APR-2010	07:00:55.357	07:13:02.432	727.07500
JO	78446	22-APR-2010	08:38:30.066	08:53:16.636	886.57000

MM	78448	22-APR-2010	12:22:16.342	12:34:47.429	751.08700
MA	78448	22-APR-2010	11:42:55.032	11:49:28.173	393.14100
BE	78449	22-APR-2010	12:57:21.425	13:08:49.661	688.23600
SG	78449	22-APR-2010	14:26:40.286	14:37:56.736	676.45000
BE	78450	22-APR-2010	14:35:34.170	14:48:41.333	787.16300
GS	78450	22-APR-2010	15:02:22.589	15:15:18.993	776.40400
GS	78451	22-APR-2010	16:41:39.060	16:54:59.868	800.80800
MM	78452	22-APR-2010	18:59:50.655	19:12:28.355	757.70000
GS	78452	22-APR-2010	18:22:50.797	18:29:51.194	420.39700
JO	78452	22-APR-2010	19:20:59.701	19:31:36.532	636.83100
MA	78453	22-APR-2010	19:38:48.828	19:50:55.074	726.24600
JO	78453	22-APR-2010	20:58:26.593	21:13:23.465	896.87200
HO	78454	22-APR-2010	22:12:38.583	22:23:50.149	671.56600
JO	78454	22-APR-2010	22:40:35.776	22:48:04.251	448.47500
HO	78455	22-APR-2010	23:49:30.005	00:03:57.670	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

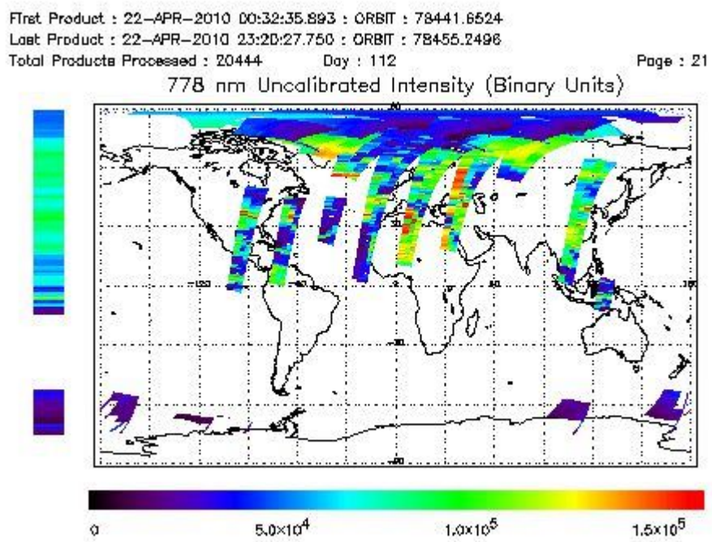
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

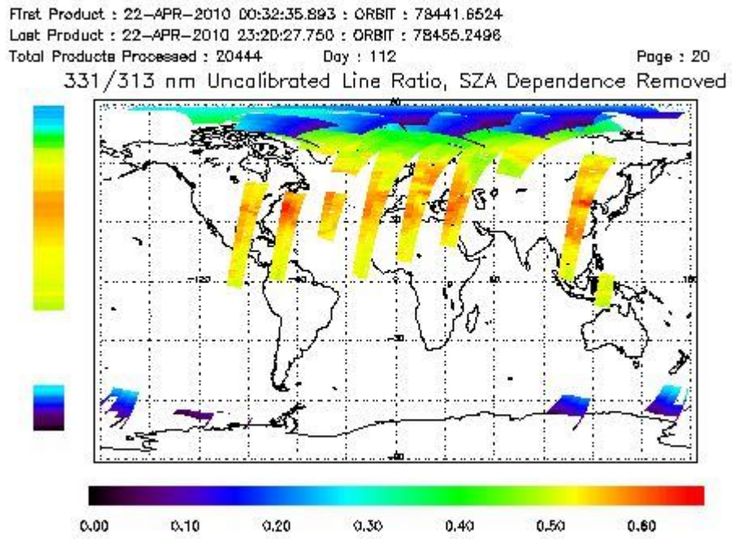
2.2 - Daily Plots

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

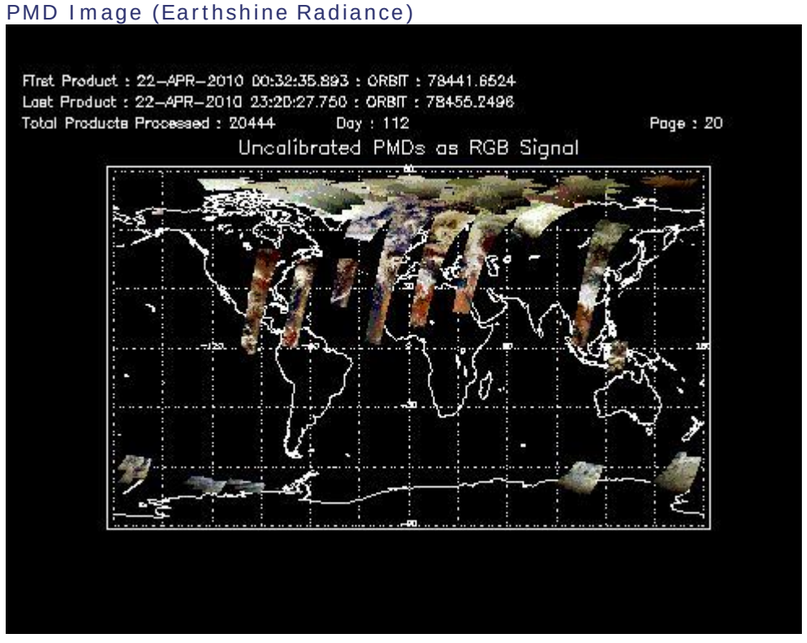
NEAR IR Intensity



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	19:53:12.991	--	78453	Yes	--	15053

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