GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	24-APR-2010
Start Time of First Product	00:05:30
Stop Time of Last Product	23:47:01
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 78482

1.2 - List of received products

Name	Date	Time
EGOI_100424BEEP2541.E2	24-APR-2010	03:57:43.796
EGOI_100424CMEP7629.E2	24-APR-2010	03:33:09.142
EGOI_100424GSEP4836.E2	24-APR-2010	01:52:02.523
EGOI_100424GSEP4867.E2	24-APR-2010	03:30:52.632
EGOI_100424GSEP4876.E2	24-APR-2010	05:13:42.769
EGOI_100424KSEP2739.E2	24-APR-2010	07:12:19.507
EGOI_100424KSEP2759.E2	24-APR-2010	08:52:18.618
EGOI_100424KSEP2782.E2	24-APR-2010	10:31:58.236
EGOI_100424KSEP2812.E2	24-APR-2010	12:11:22.847

EGOI_100424KSEP2825.E2	24-APR-2010	13:50:21.957
EGOI_100424KSEP2850.E2	24-APR-2010	15:28:46.560
EGOI_100424KSEP2872.E2	24-APR-2010	17:11:24.693
EGOI_100424KSEP2903.E2	24-APR-2010	18:44:14.552
EGOI_100424KSEP2934.E2	24-APR-2010	20:23:19.662
EGOI_100424KSEP2962.E2	24-APR-2010	22:04:50.283
EGOI_100424MAEP1498.E2	24-APR-2010	08:59:44.164
EGOI_100424MAEP1512.E2	24-APR-2010	10:39:26.779
EGOI_100424MIEP0476.E2	24-APR-2010	01:51:13.015
EGOI_100424MIEP0505.E2	24-APR-2010	03:26:13.609
EGOI_100424MIEP0526.E2	24-APR-2010	05:09:23.242
EGOI_100424MIEP0546.E2	24-APR-2010	15:46:19.666
EGOI_100424MIEP0570.E2	24-APR-2010	17:27:23.287
EGOI_100424MMEP7161.E2	24-APR-2010	01:10:23.265
EGOI_100424MMEP7166.E2	24-APR-2010	02:52:44.898
EGOI_100424MMEP7180.E2	24-APR-2010	09:39:51.914
EGOI_100424MMEP7186.E2	24-APR-2010	11:20:01.530
EGOI_100424MMEP7192.E2	24-APR-2010	12:59:56.144
EGOI_100424MMEP7203.E2	24-APR-2010	14:39:34.257
EGOI_100424MMEP7211.E2	24-APR-2010	17:59:24.982
EGOI_100424MMEP7217.E2	24-APR-2010	21:17:25.990
EGOI_100424MMEP7226.E2	24-APR-2010	22:57:25.099
EGOI_100424MSEP3062.E2	24-APR-2010	00:05:30.364
EGOI_100424MSEP3087.E2	24-APR-2010	10:45:46.318
EGOI_100424MSEP3115.E2	24-APR-2010	12:24:43.925
EGOI_100424MSEP3144.E2	24-APR-2010	21:55:29.224
EGOI_100424MSEP3175.E2	24-APR-2010	23:33:32.826
EGOI_100424SGEP5125.E2	24-APR-2010	02:30:31.257
EGOI_100424SGEP5131.E2	24-APR-2010	04:08:30.363
EGOI_100424SGEP5135.E2	24-APR-2010	15:03:41.910
EGOI_100424SGEP5143.E2	24-APR-2010	16:45:11.033

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78474	24-APR-2010	07:11:16.175	07:12:19.507	63.332000
KS	78475	24-APR-2010	08:50:45.601	08:52:18.617	93.016000
KS	78476	24-APR-2010	10:30:22.937	10:31:58.235	95.298000
KS	78477	24-APR-2010	12:09:48.276	12:11:22.846	94.570000
KS	78478	24-APR-2010	13:48:43.191	13:50:21.957	98.766000
KS	78479	24-APR-2010	15:26:52.611	15:28:46.559	113.94800
KS	78480	24-APR-2010	17:04:34.641	17:11:24.693	410.05200
KS	78481	24-APR-2010	18:42:44.052	18:44:14.552	90.500000

KS	78482	24-APR-2010	20:22:13.381	20:23:19.662	66.281000
KS	78483	24-APR-2010	22:03:42.047	22:04:50.282	68.235000
MS	78470	24-APR-2010	00:04:07.178	00:05:30.363	83.185000
MS	78476	24-APR-2010	10:44:06.300	10:45:46.318	100.01800
MS	78477	24-APR-2010	12:23:00.976	12:24:43.924	102.94800
MS	78484	24-APR-2010	23:32:05.796	23:33:32.826	87.030000
MA	78476	24-APR-2010	10:38:24.001	10:39:26.778	62.777000
MI	78471	24-APR-2010	01:50:00.769	01:51:13.014	72.245000
MI	78472	24-APR-2010	03:24:45.762	03:26:13.609	87.847000
MI	78473	24-APR-2010	05:08:10.370	05:09:23.241	72.871000
BE	78472	24-APR-2010	03:55:58.946	03:57:43.796	104.85000
SG	78471	24-APR-2010	02:28:42.790	02:30:31.256	108.46600
SG	78471	24-APR-2010	02:33:56.780	02:40:03.087	366.30700
SG	78472	24-APR-2010	04:07:03.379	04:08:30.362	86.983000
SG	78472	24-APR-2010	04:14:40.902	04:19:55.307	314.40500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78470	24-APR-2010	00:58:16.113	01:11:47.917	811.80400
KS	78470	24-APR-2010	00:22:22.251	00:24:51.689	149.43800
BE	78471	24-APR-2010	02:16:33.578	02:29:09.379	755.80100
MM	78472	24-APR-2010	04:35:54.345	04:41:56.344	361.99900
CM	78472	24-APR-2010	03:24:25.502	03:35:43.191	677.68900
CM	78472	24-APR-2010	05:04:20.723	05:14:15.473	594.75000
MM	78473	24-APR-2010	06:18:02.000	06:24:16.920	374.92000
MM	78474	24-APR-2010	07:58:57.477	08:07:22.305	504.82800
JO	78474	24-APR-2010	07:36:25.380	07:50:43.346	857.96600
JO	78475	24-APR-2010	09:16:19.945	09:29:29.169	789.22400
MM	78477	24-APR-2010	12:59:20.865	13:12:00.548	759.68300
HO	78478	24-APR-2010	14:48:25.321	14:58:21.871	596.55000
MM	78478	24-APR-2010	14:38:59.459	14:51:41.691	762.23200
GS	78478	24-APR-2010	14:01:36.447	14:09:31.192	474.74500
SG	78478	24-APR-2010	15:02:19.958	15:15:51.286	811.32800
BE	78479	24-APR-2010	15:13:27.414	15:25:05.070	697.65600
MM	78479	24-APR-2010	16:18:21.716	16:30:55.289	753.57300

MI	78479	24-APR-2010	15:44:57.453	15:58:14.518	797.06500
GS	78479	24-APR-2010	15:39:02.485	15:52:52.732	830.24700
SG	78479	24-APR-2010	16:43:27.276	16:52:55.594	568.31800
CM	78479	24-APR-2010	15:48:12.410	15:59:36.669	684.25900
MM	78480	24-APR-2010	17:57:31.423	18:10:04.132	752.70900
MI	78480	24-APR-2010	17:25:57.650	17:34:48.064	530.41400
GS	78480	24-APR-2010	17:18:55.845	17:30:53.403	717.55800
CM	78480	24-APR-2010	17:28:03.522	17:37:52.548	589.02600
MM	78481	24-APR-2010	19:36:42.587	19:49:23.708	761.12100
JO	78481	24-APR-2010	19:56:31.194	20:10:19.133	827.93900
MM	78482	24-APR-2010	21:16:17.711	21:28:59.571	761.86000
MA	78482	24-APR-2010	20:14:47.163	20:28:33.972	826.80900
JO	78482	24-APR-2010	21:35:43.014	21:49:33.651	830.63700
HO	78483	24-APR-2010	22:48:03.694	23:01:09.897	786.20300
MM	78483	24-APR-2010	22:56:39.111	23:08:50.884	731.77300
MA	78483	24-APR-2010	21:55:51.159	22:07:08.378	677.21900

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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

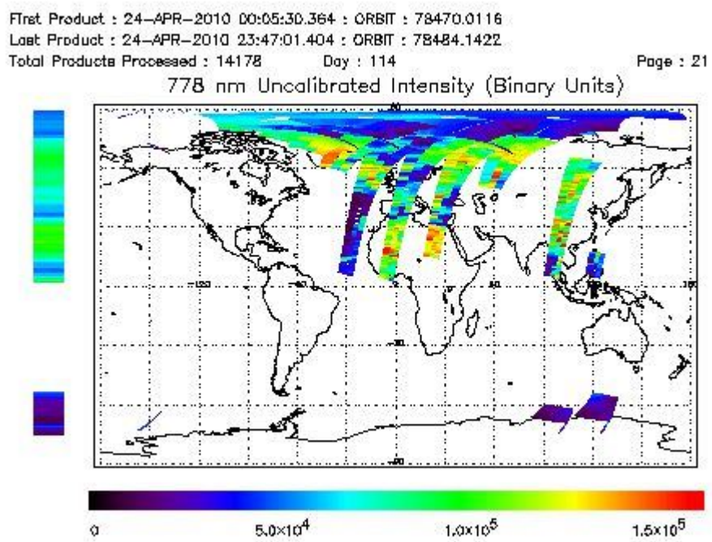
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
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

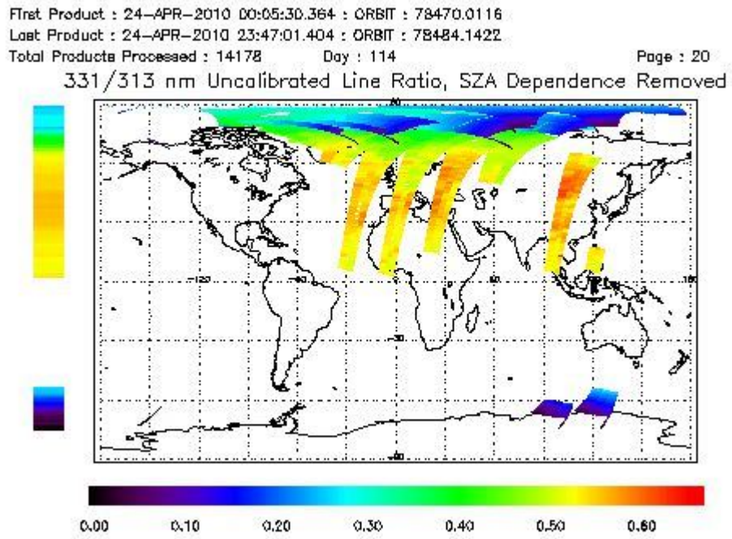
2.2 - Daily Plots

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

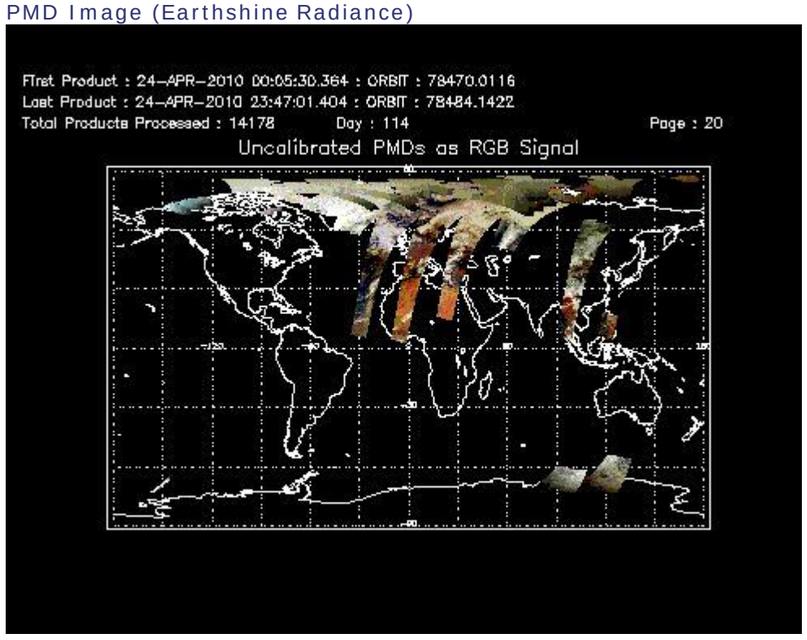
NEAR IR Intensity



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	18:49:43.083	--	78481	Yes	--	15039

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
20:30	--	78482	--

5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
07:00 10-Mar	--	77830	--

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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