GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-APR-2010
Start Time of First Product	23:49:35 (16-Apr)
Stop Time of Last Product	23:30:40
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_100417BEEP2466.E2	17-APR-2010	02:37:55.271
EGOI_100417BEEP2472.E2	17-APR-2010	04:17:52.876
EGOI_100417GSEP4319.E2	17-APR-2010	02:11:32.607
EGOI_100417GSEP4347.E2	17-APR-2010	03:51:31.716
EGOI_100417GSEP4357.E2	17-APR-2010	05:34:03.849
EGOI_100417KSEP1034.E2	17-APR-2010	07:32:19.568
EGOI_100417KSEP1053.E2	17-APR-2010	09:12:18.683
EGOI_100417KSEP1074.E2	17-APR-2010	10:51:56.790
EGOI_100417KSEP1104.E2	17-APR-2010	12:31:16.896

EGOI_100417KSEP1117.E2	17-APR-2010	14:10:13.003
EGOI_100417KSEP1143.E2	17-APR-2010	15:48:07.599
EGOI_100417KSEP1172.E2	17-APR-2010	17:26:02.197
EGOI_100417KSEP1204.E2	17-APR-2010	19:03:52.296
EGOI_100417KSEP1235.E2	17-APR-2010	20:43:28.907
EGOI_100417KSEP1257.E2	17-APR-2010	22:25:28.029
EGOI_100417MAEP1156.E2	17-APR-2010	09:19:29.226
EGOI_100417MAEP1166.E2	17-APR-2010	10:59:32.841
EGOI_100417MAEP1183.E2	17-APR-2010	22:17:29.483
EGOI_100417MIEP9714.E2	17-APR-2010	02:09:22.095
EGOI_100417MIEP9737.E2	17-APR-2010	03:46:10.685
EGOI_100417MIEP9757.E2	17-APR-2010	14:29:46.120
EGOI_100417MIEP9779.E2	17-APR-2010	16:06:22.712
EGOI_100417MIEP9800.E2	17-APR-2010	17:48:39.835
EGOI_100417MMEP6673.E2	16-APR-2010	23:49:34.738
EGOI_100417MMEP6683.E2	17-APR-2010	04:56:20.115
EGOI_100417MMEP6690.E2	17-APR-2010	06:38:20.736
EGOI_100417MMEP6696.E2	17-APR-2010	11:40:16.583
EGOI_100417MMEP6706.E2	17-APR-2010	14:59:32.806
EGOI_100417MMEP6714.E2	17-APR-2010	16:39:15.415
EGOI_100417MMEP6721.E2	17-APR-2010	18:19:14.522
EGOI_100417MMEP6728.E2	17-APR-2010	19:57:49.625
EGOI_100417MMEP6736.E2	17-APR-2010	21:38:06.739
EGOI_100417MMEP6744.E2	17-APR-2010	23:17:38.847
EGOI_100417MSEP2252.E2	17-APR-2010	00:26:03.461
EGOI_100417MSEP2277.E2	17-APR-2010	11:05:10.372
EGOI_100417MSEP2304.E2	17-APR-2010	12:44:55.979
EGOI_100417MSEP2331.E2	17-APR-2010	22:14:35.463
EGOI_100417SGEP4945.E2	17-APR-2010	02:49:34.341
EGOI_100417SGEP4951.E2	17-APR-2010	04:28:46.943
EGOI_100417SGEP4960.E2	17-APR-2010	17:08:32.095

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78374	17-APR-2010	07:31:07.813	07:32:19.567	71.754000
KS	78375	17-APR-2010	09:10:41.217	09:12:18.682	97.465000
KS	78376	17-APR-2010	10:50:17.507	10:51:56.790	99.283000
KS	78377	17-APR-2010	12:29:38.333	12:31:16.896	98.563000
KS	78378	17-APR-2010	14:08:31.234	14:10:13.003	101.76900
KS	78379	17-APR-2010	15:46:25.765	15:48:07.599	101.83400
KS	78380	17-APR-2010	17:24:18.516	17:26:02.197	103.68100
KS	78381	17-APR-2010	19:02:30.153	19:03:52.295	82.142000

KS	78382	17-APR-2010	20:42:20.351	20:43:28.906	68.555000
KS	78383	17-APR-2010	22:24:17.861	22:25:28.029	70.168000
GS	78372	17-APR-2010	03:50:17.158	03:51:31.716	74.558000
MS	78370	17-APR-2010	00:24:58.334	00:26:03.460	65.126000
MS	78376	17-APR-2010	11:03:28.052	11:05:10.372	102.32000
MS	78377	17-APR-2010	12:43:10.566	12:44:55.978	105.41200
MS	78383	17-APR-2010	22:13:29.082	22:14:35.463	66.381000
MS	78384	17-APR-2010	23:52:23.174	23:53:48.070	84.896000
MI	78371	17-APR-2010	02:07:55.232	02:09:22.095	86.863000
MI	78372	17-APR-2010	03:44:41.309	03:46:10.684	89.375000
MI	78378	17-APR-2010	14:28:29.537	14:29:46.120	76.583000
MI	78379	17-APR-2010	16:04:46.282	16:06:22.711	96.429000
MI	78380	17-APR-2010	17:47:23.317	17:48:39.834	76.517000
MM	78379	17-APR-2010	16:38:12.365	16:39:15.414	63.049000
MM	78380	17-APR-2010	18:17:20.904	18:19:14.521	113.61700
MM	78381	17-APR-2010	19:56:34.921	19:57:49.625	74.704000
MM	78382	17-APR-2010	21:36:17.672	21:38:06.739	109.06700
BE	78371	17-APR-2010	02:36:14.397	02:37:55.270	100.87300
BE	78372	17-APR-2010	04:16:09.711	04:17:52.876	103.16500
SG	78371	17-APR-2010	02:47:47.171	02:49:34.340	107.16900
SG	78372	17-APR-2010	04:27:34.919	04:28:46.942	72.023000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78370	17-APR-2010	01:18:39.508	01:31:19.391	759.88300
MM	78370	17-APR-2010	01:30:35.680	01:40:29.529	593.84900
GS	78370	17-APR-2010	00:35:33.461	00:42:46.614	433.15300
MM	78371	17-APR-2010	03:13:27.492	03:21:01.096	453.60400
CM	78371	17-APR-2010	03:43:47.133	03:55:54.806	727.67300
KS	78373	17-APR-2010	05:52:41.827	05:56:43.246	241.41900
CM	78373	17-APR-2010	05:25:39.731	05:32:48.299	428.56800
JO	78373	17-APR-2010	06:22:01.994	06:28:01.964	359.97000
MM	78374	17-APR-2010	08:19:03.787	08:27:57.327	533.54000
JO	78374	17-APR-2010	07:55:55.595	08:10:46.584	890.98900
MM	78375	17-APR-2010	09:59:22.862	10:10:21.009	658.14700

JO	78375	17-APR-2010	09:37:12.119	09:48:35.833	683.71400
MM	78377	17-APR-2010	13:19:17.844	13:32:00.097	762.25300
HO	78378	17-APR-2010	15:08:50.649	15:17:23.736	513.08700
GS	78378	17-APR-2010	14:20:37.972	14:30:54.262	616.29000
SG	78378	17-APR-2010	15:21:58.720	15:35:51.289	832.56900
BE	78379	17-APR-2010	15:34:18.815	15:44:23.439	604.62400
GS	78379	17-APR-2010	15:58:53.797	16:12:49.830	836.03300
CM	78379	17-APR-2010	16:07:41.543	16:19:53.178	731.63500
GS	78380	17-APR-2010	17:39:06.797	17:49:56.266	649.46900
CM	78380	17-APR-2010	17:49:02.211	17:56:15.842	433.63100
MA	78381	17-APR-2010	19:00:51.429	19:05:59.761	308.33200
JO	78381	17-APR-2010	20:16:02.666	20:30:39.248	876.58200
MA	78382	17-APR-2010	20:34:25.644	20:48:06.171	820.52700
JO	78382	17-APR-2010	21:56:01.260	22:08:39.124	757.86400
HO	78383	17-APR-2010	23:07:28.546	23:21:12.868	824.32200

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

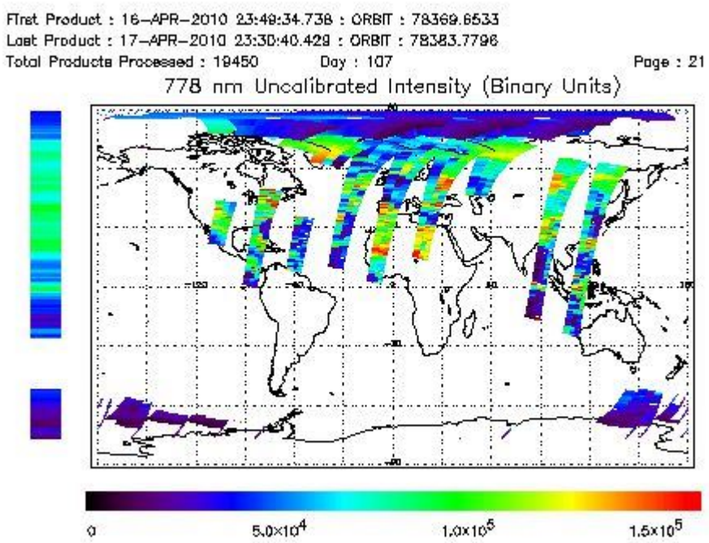
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

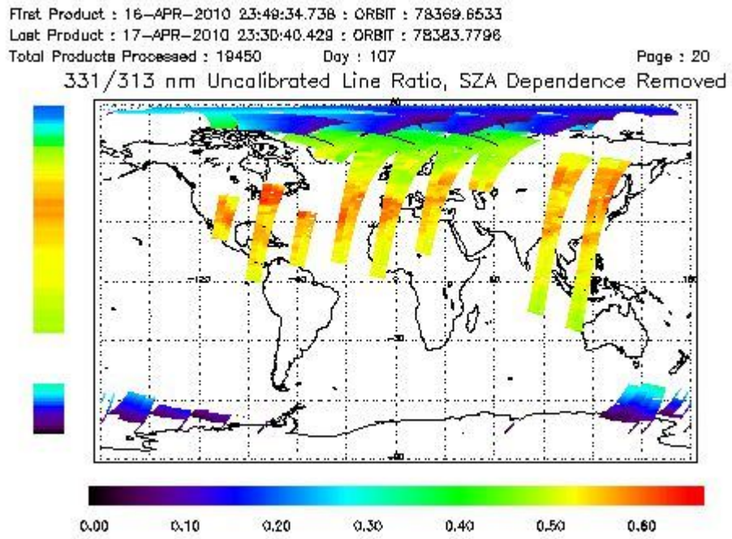
2.2 - Daily Plots

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

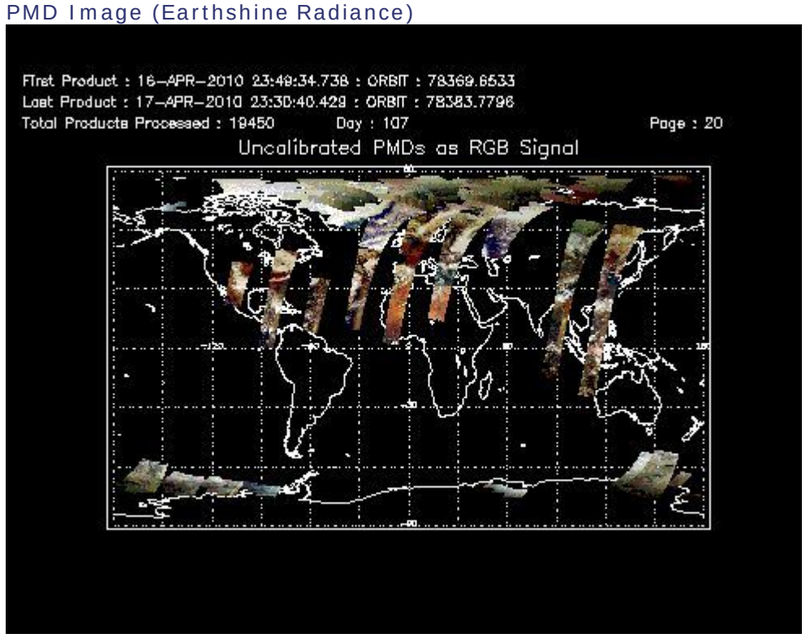
NEAR IR Intensity



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)
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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
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