GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-APR-2010
Start Time of First Product	23:48:00
Stop Time of Last Product	23:40:26
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit 78352

1.2 - List of received products

Name	Date	Time
EGOI_100415CMEP7528.E2	15-APR-2010	17:11:09.947
EGOI_100415GSEP4154.E2	15-APR-2010	01:35:44.587
EGOI_100415GSEP4186.E2	15-APR-2010	03:13:43.709
EGOI_100415GSEP4196.E2	15-APR-2010	04:56:38.361
EGOI_100415KSEP0502.E2	15-APR-2010	00:04:29.009
EGOI_100415KSEP0515.E2	15-APR-2010	06:55:21.099
EGOI_100415KSEP0533.E2	15-APR-2010	08:35:18.724
EGOI_100415KSEP0563.E2	15-APR-2010	10:14:59.853
EGOI_100415KSEP0585.E2	15-APR-2010	11:54:30.470

EGOI_100415KSEP0613.E2	15-APR-2010	13:33:26.587
EGOI_100415KSEP0623.E2	15-APR-2010	15:12:10.693
EGOI_100415KSEP0650.E2	15-APR-2010	16:49:39.818
EGOI_100415KSEP0681.E2	15-APR-2010	18:27:32.921
EGOI_100415KSEP0713.E2	15-APR-2010	20:06:17.035
EGOI_100415KSEP0742.E2	15-APR-2010	21:47:22.162
EGOI_100415KSEP0759.E2	15-APR-2010	23:30:42.293
EGOI_100415MAEP1070.E2	15-APR-2010	08:43:21.779
EGOI_100415MAEP1091.E2	15-APR-2010	20:00:04.996
EGOI_100415MIEP9528.E2	15-APR-2010	03:09:24.180
EGOI_100415MIEP9552.E2	15-APR-2010	04:50:51.816
EGOI_100415MIEP9578.E2	15-APR-2010	17:09:42.935
EGOI_100415MMEP6546.E2	15-APR-2010	00:53:00.813
EGOI_100415MMEP6550.E2	15-APR-2010	02:35:16.461
EGOI_100415MMEP6559.E2	15-APR-2010	06:00:41.754
EGOI_100415MMEP6566.E2	15-APR-2010	07:42:00.391
EGOI_100415MMEP6574.E2	15-APR-2010	09:22:44.524
EGOI_100415MMEP6583.E2	15-APR-2010	14:22:35.888
EGOI_100415MMEP6592.E2	15-APR-2010	17:42:22.138
EGOI_100415MMEP6599.E2	15-APR-2010	21:00:15.865
EGOI_100415MSEP1999.E2	14-APR-2010	23:48:00.408
EGOI_100415MSEP2025.E2	15-APR-2010	10:29:28.435
EGOI_100415MSEP2054.E2	15-APR-2010	12:07:27.548
EGOI_100415MSEP2081.E2	15-APR-2010	21:39:41.611
EGOI_100415MSEP2113.E2	15-APR-2010	23:16:22.710
EGOI_100415SGEP4899.E2	15-APR-2010	02:18:52.359
EGOI_100415SGEP4906.E2	15-APR-2010	03:58:25.984
EGOI_100415SGEP4912.E2	15-APR-2010	16:27:21.679

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78341	15-APR-2010	00:03:26.996	00:04:29.008	62.012000
KS	78345	15-APR-2010	06:54:16.629	06:55:21.098	64.469000
KS	78346	15-APR-2010	08:33:40.964	08:35:18.723	97.759000
KS	78347	15-APR-2010	10:13:18.638	10:14:59.852	101.21400
KS	78348	15-APR-2010	11:52:47.254	11:54:30.469	103.21500
KS	78349	15-APR-2010	13:31:48.752	13:33:26.586	97.834000
KS	78350	15-APR-2010	15:10:13.451	15:12:10.693	117.24200
KS	78351	15-APR-2010	16:47:50.070	16:49:39.817	109.74700
KS	78352	15-APR-2010	18:25:49.994	18:27:32.921	102.92700
KS	78353	15-APR-2010	20:05:02.627	20:06:17.035	74.408000

KS	78354	15-APR-2010	21:46:08.055	21:47:22.161	74.106000
GS	78342	15-APR-2010	01:34:36.103	01:35:44.587	68.484000
GS	78343	15-APR-2010	03:12:41.414	03:13:43.708	62.294000
MS	78341	14-APR-2010	23:46:33.575	23:48:00.407	86.832000
MS	78347	15-APR-2010	10:27:38.211	10:29:28.435	110.22400
MS	78348	15-APR-2010	12:05:46.930	12:07:27.547	100.61700
MS	78355	15-APR-2010	23:14:55.090	23:16:22.710	87.620000
MA	78353	15-APR-2010	19:58:05.952	20:00:04.996	119.04400
MI	78343	15-APR-2010	03:07:53.181	03:09:24.180	90.999000
MI	78344	15-APR-2010	04:49:23.755	04:50:51.816	88.061000
MI	78351	15-APR-2010	17:08:12.216	17:09:42.934	90.718000
MM	78351	15-APR-2010	17:40:31.898	17:42:22.138	110.24000
MM	78353	15-APR-2010	20:59:10.670	21:00:15.864	65.194000
SG	78342	15-APR-2010	02:12:47.314	02:18:52.359	365.04500
SG	78343	15-APR-2010	03:49:43.232	03:58:25.983	522.75100
SG	78350	15-APR-2010	16:25:28.549	16:27:21.679	113.13000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78341	15-APR-2010	00:40:48.126	00:54:59.712	851.58600
BE	78342	15-APR-2010	01:59:48.572	02:11:35.130	706.55800
BE	78343	15-APR-2010	03:38:46.250	03:51:40.524	774.27400
MM	78343	15-APR-2010	04:18:15.990	04:24:32.333	376.34300
CM	78343	15-APR-2010	03:08:07.777	03:18:10.882	603.10500
CM	78343	15-APR-2010	04:46:36.454	04:57:51.963	675.50900
JO	78345	15-APR-2010	07:19:54.516	07:33:24.722	810.20600
JO	78346	15-APR-2010	08:58:44.869	09:12:51.855	846.98600
MM	78347	15-APR-2010	11:02:18.531	11:14:10.384	711.85300
MA	78347	15-APR-2010	10:21:21.998	10:33:34.077	732.07900
MM	78348	15-APR-2010	12:42:14.412	12:54:50.789	756.37700
HO	78349	15-APR-2010	14:31:02.245	14:42:51.052	708.80700
SG	78349	15-APR-2010	14:45:43.138	14:58:30.022	766.88400
BE	78350	15-APR-2010	14:55:51.337	15:08:21.189	749.85200
MM	78350	15-APR-2010	16:01:20.728	16:13:55.597	754.86900
MI	78350	15-APR-2010	15:28:07.078	15:40:58.778	771.70000

GS	78350	15-APR-2010	15:22:04.840	15:35:37.795	812.95500
SG	78350	15-APR-2010	16:25:28.549	16:36:57.421	688.87200
CM	78350	15-APR-2010	15:31:46.188	15:41:55.447	609.25900
GS	78351	15-APR-2010	17:01:41.776	17:14:24.186	762.41000
MM	78352	15-APR-2010	19:19:41.357	19:32:20.953	759.59600
JO	78352	15-APR-2010	19:39:58.245	19:52:38.373	760.12800
JO	78353	15-APR-2010	21:18:27.073	21:32:58.334	871.26100
HO	78354	15-APR-2010	22:31:35.752	22:43:58.984	743.23200
MM	78354	15-APR-2010	22:39:22.803	22:51:42.801	739.99800
MA	78354	15-APR-2010	21:37:41.033	21:50:26.396	765.36300

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

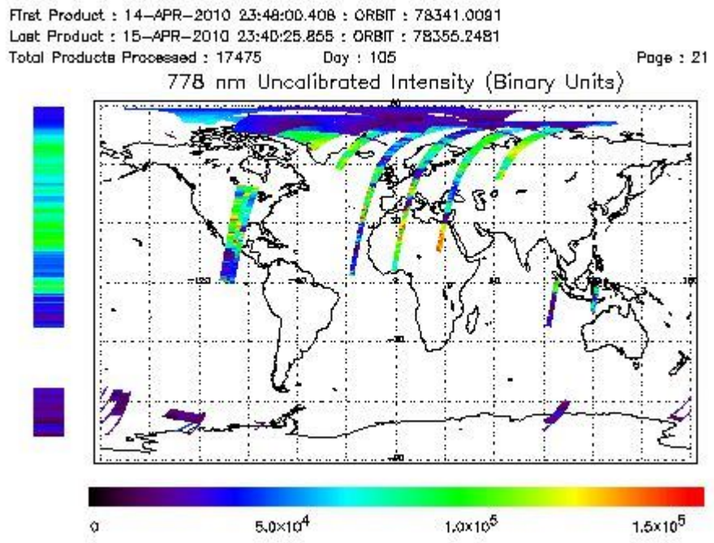
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

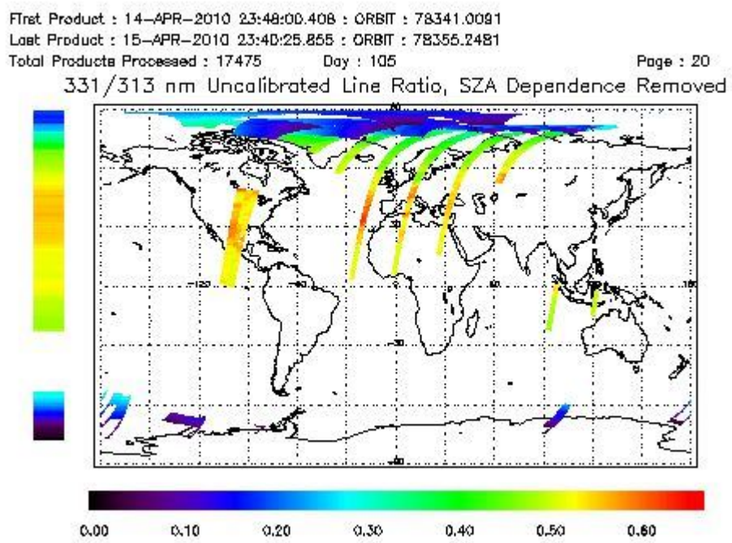
2.2 - Daily Plots

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

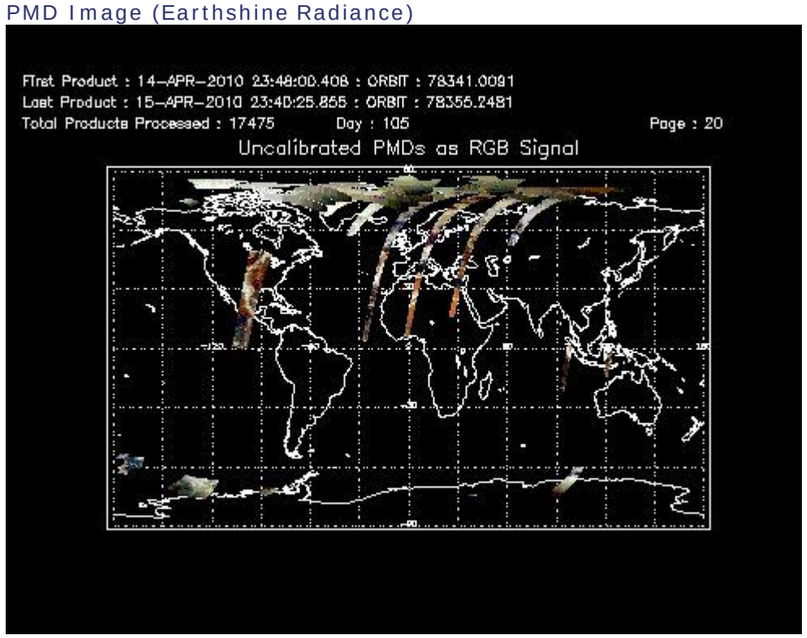
NEAR IR Intensity



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	16:52:54.833	--	78351	Yes	--	15110

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)

[BACK TO MENU]

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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[BACK TO MENU]

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
19:00	18:00	78337	78352

5.6 - Seasonal Operations

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

[BACK TO MENU]

(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