GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-JUL-2010
Start Time of First Product	14-JUL-2010 23:43:58
Stop Time of Last Product	22:40:50
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous dat, stop orbit 79655

1.2 - List of received products

Name	Date	Time
EGOI_100715GSEP0763.E2	15-JUL-2010	02:14:39.909
EGOI_100715HLEP6019.E2	14-JUL-2010	23:43:58.490
EGOI_100715HLEP6029.E2	15-JUL-2010	01:23:14.097
EGOI_100715HLEP6035.E2	15-JUL-2010	11:53:22.432
EGOI_100715HLEP6048.E2	15-JUL-2010	21:37:28.993
EGOI_100715KSEP0155.E2	15-JUL-2010	07:35:14.857
EGOI_100715KSEP0174.E2	15-JUL-2010	09:15:13.969
EGOI_100715KSEP0198.E2	15-JUL-2010	10:54:53.575
EGOI_100715KSEP0223.E2	15-JUL-2010	12:34:12.182

EGOI_100715KSEP0250.E2	15-JUL-2010	14:13:09.788
EGOI_100715KSEP0276.E2	15-JUL-2010	15:50:59.882
EGOI_100715KSEP0305.E2	15-JUL-2010	17:28:55.977
EGOI_100715KSEP0337.E2	15-JUL-2010	19:06:50.577
EGOI_100715KSEP0368.E2	15-JUL-2010	20:46:30.184
EGOI_100715KSEP0390.E2	15-JUL-2010	22:28:29.310
EGOI_100715MAEP4517.E2	15-JUL-2010	09:22:27.512
EGOI_100715MAEP4530.E2	15-JUL-2010	11:02:32.622
EGOI_100715MAEP4546.E2	15-JUL-2010	22:20:54.758
EGOI_100715MIEP6286.E2	15-JUL-2010	02:12:05.394
EGOI_100715MIEP6307.E2	15-JUL-2010	03:49:50.987
EGOI_100715MIEP6324.E2	15-JUL-2010	14:32:27.901
EGOI_100715MIEP6342.E2	15-JUL-2010	16:09:14.996
EGOI_100715MIEP6358.E2	15-JUL-2010	17:51:54.621
EGOI_100715MMEP1374.E2	15-JUL-2010	01:33:45.659
EGOI_100715MMEP1381.E2	15-JUL-2010	03:16:35.788
EGOI_100715MMEP1391.E2	15-JUL-2010	10:02:42.762
EGOI_100715MMEP1400.E2	15-JUL-2010	11:43:08.869
EGOI_100715MMEP1407.E2	15-JUL-2010	13:22:49.983
EGOI_100715MSEP2422.E2	15-JUL-2010	00:29:34.768
EGOI_100715MSEP2447.E2	15-JUL-2010	11:08:07.154
EGOI_100715MSEP2474.E2	15-JUL-2010	12:47:51.265
EGOI_100715MSEP2501.E2	15-JUL-2010	22:17:32.243
EGOI_100715SGEP7079.E2	15-JUL-2010	04:32:07.745
EGOI_100715SGEP7086.E2	15-JUL-2010	13:51:50.159
EGOI_100715SGEP7093.E2	15-JUL-2010	15:26:25.234
EGOI_100715SGEP7100.E2	15-JUL-2010	17:11:40.871

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79648	15-JUL-2010	07:33:58.190	07:35:14.856	76.666000
KS	79649	15-JUL-2010	09:13:32.030	09:15:13.968	101.93800
KS	79650	15-JUL-2010	10:53:08.113	10:54:53.575	105.46200
KS	79651	15-JUL-2010	12:32:28.232	12:34:12.181	103.94900
KS	79652	15-JUL-2010	14:11:20.851	14:13:09.788	108.93700
KS	79653	15-JUL-2010	15:49:13.279	15:50:59.881	106.60200
KS	79654	15-JUL-2010	17:27:07.317	17:28:55.977	108.66000
KS	79655	15-JUL-2010	19:05:19.882	19:06:50.577	90.695000
KS	79656	15-JUL-2010	20:45:13.181	20:46:30.184	77.003000
KS	79657	15-JUL-2010	22:27:14.980	22:28:29.309	74.329000
MS	79644	15-JUL-2010	00:27:59.639	00:29:34.768	95.129000

MS	79650	15-JUL-2010	11:06:16.454	11:08:07.154	110.70000
MS	79651	15-JUL-2010	12:46:07.457	12:47:51.265	103.80800
MS	79657	15-JUL-2010	22:16:13.189	22:17:32.242	79.053000
MS	79658	15-JUL-2010	23:55:18.550	23:56:47.842	89.292000
MI	79645	15-JUL-2010	02:10:33.305	02:12:05.393	92.088000
MI	79646	15-JUL-2010	03:47:33.379	03:49:50.987	137.60800
MI	79652	15-JUL-2010	14:31:02.332	14:32:27.900	85.568000
MI	79653	15-JUL-2010	16:07:36.934	16:09:14.995	98.061000
MI	79654	15-JUL-2010	17:50:37.000	17:51:54.620	77.620000
SG	79646	15-JUL-2010	04:30:32.870	04:32:07.744	94.874000
SG	79646	15-JUL-2010	04:37:18.275	04:41:41.400	263.12500
SG	79652	15-JUL-2010	15:24:48.381	15:26:25.233	96.852000
SG	79652	15-JUL-2010	15:34:59.787	15:38:41.502	221.71500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	79643	14-JUL-2010	23:51:33.079	00:03:09.035	695.95600
BE	79645	15-JUL-2010	02:39:03.684	02:52:17.253	793.56900
SG	79645	15-JUL-2010	02:50:32.519	03:03:30.994	778.47500
CM	79645	15-JUL-2010	03:46:34.648	03:58:46.719	732.07100
BE	79646	15-JUL-2010	04:19:03.294	04:30:12.828	669.53400
MM	79646	15-JUL-2010	04:59:22.524	05:05:12.270	349.74600
GS	79646	15-JUL-2010	03:53:12.549	04:05:57.722	765.17300
MM	79647	15-JUL-2010	06:41:10.869	06:47:49.990	399.12100
KS	79647	15-JUL-2010	05:55:25.697	05:59:51.165	265.46800
CM	79647	15-JUL-2010	05:28:48.354	05:35:21.597	393.24300
JO	79647	15-JUL-2010	06:24:28.247	06:31:10.047	401.80000
MM	79648	15-JUL-2010	08:21:56.033	08:30:53.623	537.59000
JO	79648	15-JUL-2010	07:58:43.930	08:13:37.789	893.85900
JO	79649	15-JUL-2010	09:40:13.468	09:51:17.565	664.09700
BE	79652	15-JUL-2010	13:55:39.819	14:09:01.522	801.70300
HO	79652	15-JUL-2010	15:11:46.178	15:20:07.174	500.99600
MM	79652	15-JUL-2010	15:01:43.700	15:14:24.078	760.37800
GS	79652	15-JUL-2010	14:23:23.082	14:33:54.857	631.77500
BE	79653	15-JUL-2010	15:37:19.776	15:47:07.321	587.54500

MM	79653	15-JUL-2010	16:41:02.417	16:53:34.713	752.29600
GS	79653	15-JUL-2010	16:01:44.305	16:15:39.975	835.67000
CM	79653	15-JUL-2010	16:10:29.862	16:22:45.379	735.51700
MM	79654	15-JUL-2010	18:20:10.842	18:32:45.036	754.19400
GS	79654	15-JUL-2010	17:42:00.279	17:52:38.449	638.17000
CM	79654	15-JUL-2010	17:52:06.471	17:58:48.459	401.98800
MM	79655	15-JUL-2010	19:59:25.345	20:12:08.149	762.80400
MA	79655	15-JUL-2010	19:03:23.960	19:08:50.710	326.75000
JO	79655	15-JUL-2010	20:18:50.944	20:33:32.235	881.29100
MM	79656	15-JUL-2010	21:39:09.258	21:51:47.740	758.48200
MA	79656	15-JUL-2010	20:37:14.900	20:50:54.838	819.93800
JO	79656	15-JUL-2010	21:58:56.323	22:11:21.166	744.84300
HO	79657	15-JUL-2010	23:10:12.850	23:24:04.418	831.56800
MM	79657	15-JUL-2010	23:19:43.724	23:31:42.271	718.54700

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

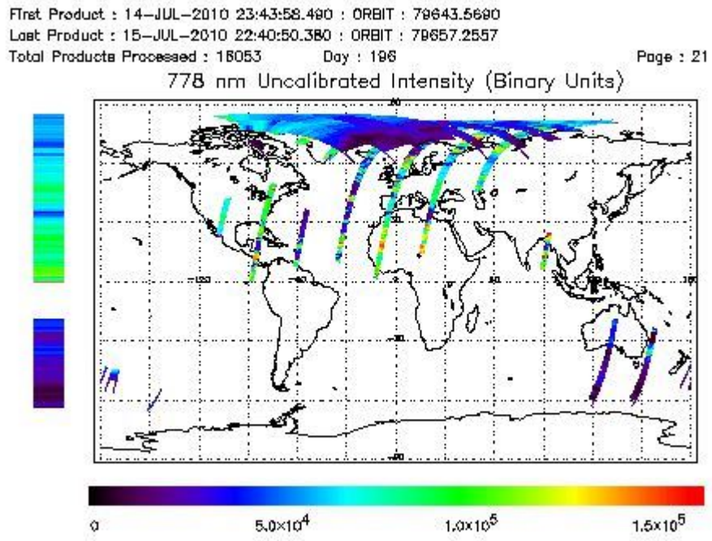
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

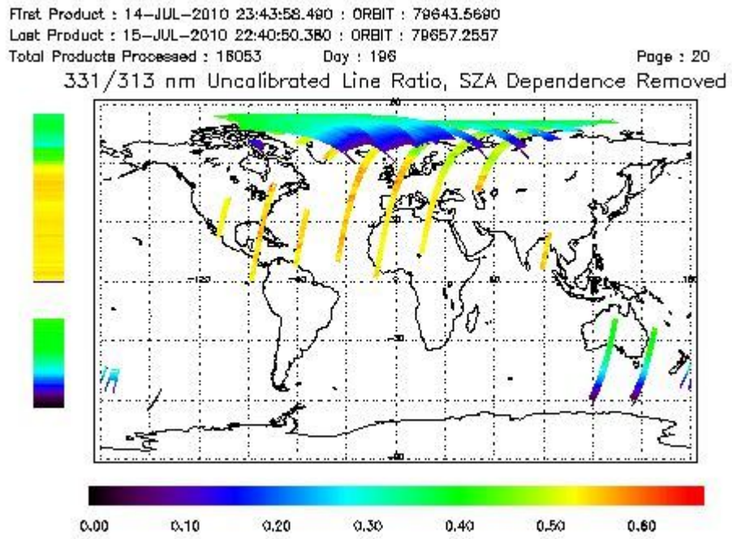
2.2 - Daily Plots

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

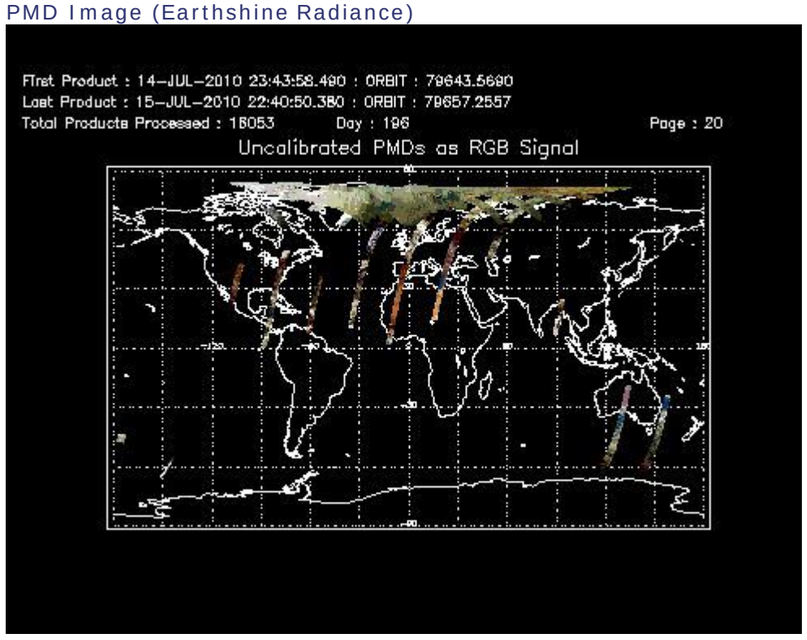
NEAR IR Intensity



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	19:10:23	--	79655	Yes	--	14654

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
21:30	19:10	79642	79655

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