GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-JUN-2010
Start Time of First Product	00:23:06
Stop Time of Last Product	22:34:59
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100607BEEP2960.E2	07-JUN-2010	02:35:03.458
EGOI_100607GSEP7955.E2	07-JUN-2010	02:08:39.298
EGOI_100607GSEP7985.E2	07-JUN-2010	03:48:26.407
EGOI_100607GSEP7994.E2	07-JUN-2010	05:31:06.040
EGOI_100607KSEP1781.E2	07-JUN-2010	07:29:26.258
EGOI_100607KSEP1799.E2	07-JUN-2010	09:09:25.373
EGOI_100607KSEP1821.E2	07-JUN-2010	10:49:03.480
EGOI_100607KSEP1846.E2	07-JUN-2010	12:28:23.590
EGOI_100607KSEP1874.E2	07-JUN-2010	14:07:21.197

EGOI_100607KSEP1900.E2	07-JUN-2010	15:45:18.795
EGOI_100607KSEP1929.E2	07-JUN-2010	17:23:10.390
EGOI_100607KSEP1961.E2	07-JUN-2010	19:01:00.489
EGOI_100607KSEP1991.E2	07-JUN-2010	20:40:34.095
EGOI_100607KSEP2019.E2	07-JUN-2010	22:22:28.722
EGOI_100607MAEP3007.E2	07-JUN-2010	09:16:41.916
EGOI_100607MAEP3016.E2	07-JUN-2010	10:56:39.527
EGOI_100607MIEP4803.E2	07-JUN-2010	02:06:40.786
EGOI_100607MIEP4832.E2	07-JUN-2010	03:43:23.376
EGOI_100607MIEP4854.E2	07-JUN-2010	14:27:13.814
EGOI_100607MIEP4870.E2	07-JUN-2010	16:03:24.901
EGOI_100607MMEP9530.E2	07-JUN-2010	01:28:09.048
EGOI_100607MMEP9537.E2	07-JUN-2010	03:10:41.177
EGOI_100607MMEP9545.E2	07-JUN-2010	04:53:20.802
EGOI_100607MMEP9552.E2	07-JUN-2010	06:35:22.926
EGOI_100607MMEP9561.E2	07-JUN-2010	08:16:32.551
EGOI_100607MMEP9575.E2	07-JUN-2010	19:54:56.321
EGOI_100607MMEP9581.E2	07-JUN-2010	21:35:10.433
EGOI_100607MSEP8039.E2	07-JUN-2010	00:23:05.656
EGOI_100607MSEP8062.E2	07-JUN-2010	11:02:23.063
EGOI_100607MSEP8089.E2	07-JUN-2010	12:41:50.672
EGOI_100607MSEP8120.E2	07-JUN-2010	22:11:49.655
EGOI_100607SGEP6110.E2	07-JUN-2010	02:48:08.036
EGOI_100607SGEP6117.E2	07-JUN-2010	04:26:43.138
EGOI_100607SGEP6125.E2	07-JUN-2010	17:03:46.273

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79104	07-JUN-2010	07:28:17.468	07:29:26.257	68.789000
KS	79105	07-JUN-2010	09:07:50.407	09:09:25.372	94.965000
KS	79106	07-JUN-2010	10:47:26.889	10:49:03.479	96.590000
KS	79107	07-JUN-2010	12:26:48.405	12:28:23.589	95.184000
KS	79108	07-JUN-2010	14:05:41.591	14:07:21.196	99.605000
KS	79109	07-JUN-2010	15:43:38.234	15:45:18.794	100.56000
KS	79110	07-JUN-2010	17:21:29.749	17:23:10.390	100.64100
KS	79111	07-JUN-2010	18:59:40.499	19:01:00.489	79.990000
KS	79112	07-JUN-2010	20:39:27.624	20:40:34.095	66.471000
KS	79113	07-JUN-2010	22:21:20.890	22:22:28.721	67.831000
GS	79102	07-JUN-2010	03:47:22.060	03:48:26.407	64.347000
MS	79100	07-JUN-2010	00:21:57.773	00:23:05.656	67.883000

MS	79106	07-JUN-2010	11:00:39.894	11:02:23.063	103.16900
MS	79107	07-JUN-2010	12:40:15.482	12:41:50.672	95.190000
MS	79113	07-JUN-2010	22:10:45.361	22:11:49.655	64.294000
MS	79114	07-JUN-2010	23:49:28.187	23:50:48.757	80.570000
MI	79101	07-JUN-2010	02:05:17.999	02:06:40.785	82.786000
MI	79102	07-JUN-2010	03:41:49.566	03:43:23.375	93.809000
MI	79108	07-JUN-2010	14:25:59.568	14:27:13.813	74.245000
MI	79109	07-JUN-2010	16:01:55.833	16:03:24.901	89.068000
MM	79111	07-JUN-2010	19:53:44.522	19:54:56.320	71.798000
MM	79112	07-JUN-2010	21:33:26.128	21:35:10.433	104.30500
BE	79101	07-JUN-2010	02:33:25.249	02:35:03.458	98.209000
SG	79101	07-JUN-2010	02:45:02.241	02:48:08.036	185.79500
SG	79102	07-JUN-2010	04:24:37.540	04:26:43.138	125.59800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79100	07-JUN-2010	01:15:43.497	01:28:32.736	769.23900
CM	79101	07-JUN-2010	03:40:59.992	03:53:02.615	722.62300
BE	79102	07-JUN-2010	04:13:16.297	04:24:45.985	689.68800
KS	79103	07-JUN-2010	05:49:59.234	05:52:29.519	150.28500
CM	79103	07-JUN-2010	05:22:33.150	05:30:13.018	459.86800
JO	79104	07-JUN-2010	07:53:07.545	08:07:55.212	887.66700
MM	79105	07-JUN-2010	09:56:31.115	10:07:26.326	655.21100
JO	79105	07-JUN-2010	09:34:11.481	09:45:53.489	702.00800
MM	79106	07-JUN-2010	11:36:35.788	11:48:48.236	732.44800
MM	79107	07-JUN-2010	13:16:26.884	13:29:08.849	761.96500
HO	79108	07-JUN-2010	15:05:55.403	15:14:40.126	524.72300
MM	79108	07-JUN-2010	14:56:02.723	15:08:43.601	760.87800
GS	79108	07-JUN-2010	14:17:53.259	14:27:53.107	599.84800
SG	79108	07-JUN-2010	15:19:09.369	15:33:00.775	831.40600
BE	79109	07-JUN-2010	15:31:18.477	15:41:39.083	620.60600
MM	79109	07-JUN-2010	16:35:22.302	16:47:54.864	752.56200
GS	79109	07-JUN-2010	15:56:03.367	16:09:59.471	836.10400
CM	79109	07-JUN-2010	16:04:53.528	16:17:00.600	727.07200
MM	79110	07-JUN-2010	18:14:30.971	18:27:04.748	753.77700

MI	79110	07-JUN-2010	17:44:13.920	17:50:06.583	352.66300
GS	79110	07-JUN-2010	17:36:13.452	17:47:13.799	660.34700
CM	79110	07-JUN-2010	17:45:59.468	17:53:41.566	462.09800
MA	79111	07-JUN-2010	18:58:20.876	19:03:08.704	287.82800
JO	79111	07-JUN-2010	20:13:14.602	20:27:45.949	871.34700
MA	79112	07-JUN-2010	20:31:36.614	20:45:19.342	822.72800
JO	79112	07-JUN-2010	21:53:06.481	22:05:56.654	770.17300
HO	79113	07-JUN-2010	23:04:43.767	23:18:21.244	817.47700
MM	79113	07-JUN-2010	23:13:57.259	23:25:59.360	722.10100
MA	79113	07-JUN-2010	22:14:23.287	22:23:39.125	555.83800

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

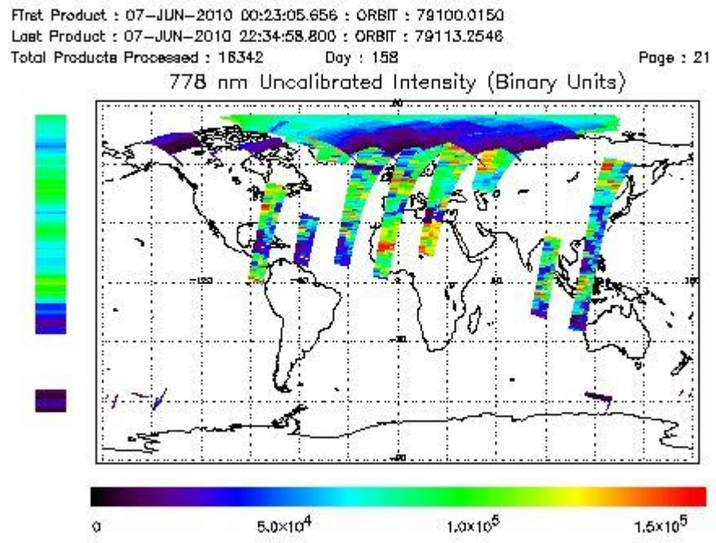
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

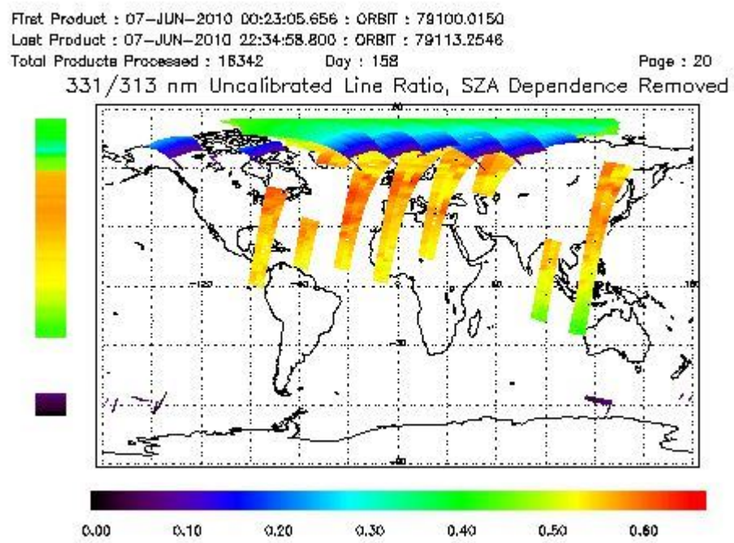
2.2 - Daily Plots

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

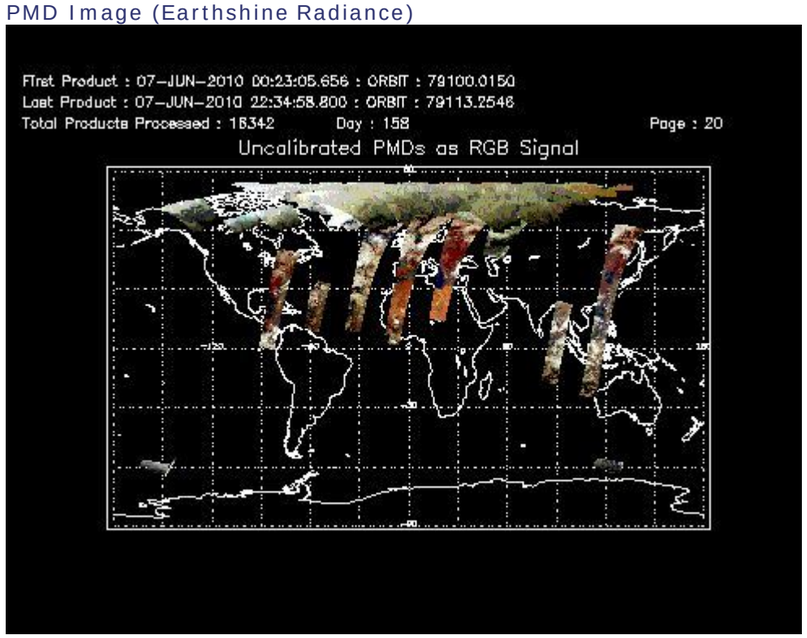
NEAR IR Intensity



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	19:04:17.008	--	79111	Yes	--	14440

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