GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-JUL-2010
Start Time of First Product	01:16:36
Stop Time of Last Product	23:20:31
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100701GSEP9757.E2	01-JUL-2010	01:16:36.460
EGOI_100701GSEP9789.E2	01-JUL-2010	02:53:44.554
EGOI_100701KSEP7660.E2	01-JUL-2010	06:35:26.401
EGOI_100701KSEP7679.E2	01-JUL-2010	08:15:24.007
EGOI_100701KSEP7698.E2	01-JUL-2010	09:55:02.112
EGOI_100701KSEP7719.E2	01-JUL-2010	11:34:38.718
EGOI_100701KSEP7748.E2	01-JUL-2010	13:13:40.823
EGOI_100701KSEP7759.E2	01-JUL-2010	14:52:26.425
EGOI_100701KSEP7775.E2	01-JUL-2010	16:30:04.515

EGOI_100701KSEP7803.E2	01-JUL-2010	18:08:03.612
EGOI_100701KSEP7834.E2	01-JUL-2010	19:46:22.214
EGOI_100701KSEP7856.E2	01-JUL-2010	21:26:52.823
EGOI_100701KSEP7875.E2	01-JUL-2010	23:09:47.444
EGOI_100701MAEP4015.E2	01-JUL-2010	08:23:42.058
EGOI_100701MAEP4030.E2	01-JUL-2010	10:02:29.159
EGOI_100701MIEP5094.E2	01-JUL-2010	02:49:55.034
EGOI_100701MIEP5122.E2	01-JUL-2010	04:29:51.140
EGOI_100701MIEP5150.E2	01-JUL-2010	15:10:11.534
EGOI_100701MIEP5179.E2	01-JUL-2010	16:49:19.632
EGOI_100701MMEP0544.E2	01-JUL-2010	02:14:59.319
EGOI_100701MMEP0551.E2	01-JUL-2010	03:57:47.941
EGOI_100701MMEP0560.E2	01-JUL-2010	09:02:34.792
EGOI_100701MMEP0571.E2	01-JUL-2010	14:02:41.120
EGOI_100701MMEP0578.E2	01-JUL-2010	15:42:07.226
EGOI_100701MMEP0584.E2	01-JUL-2010	17:22:19.839
EGOI_100701MSEP0814.E2	01-JUL-2010	10:10:18.706
EGOI_100701MSEP0844.E2	01-JUL-2010	11:47:32.796
EGOI_100701MSEP0866.E2	01-JUL-2010	13:29:10.917
EGOI_100701SGEP6731.E2	01-JUL-2010	01:56:59.206
EGOI_100701SGEP6737.E2	01-JUL-2010	03:31:56.788
EGOI_100701SGEP6744.E2	01-JUL-2010	14:28:14.276
EGOI_100701SGEP6751.E2	01-JUL-2010	16:06:58.378

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79448	01-JUL-2010	08:13:45.941	08:15:24.006	98.065000
KS	79449	01-JUL-2010	09:53:23.291	09:55:02.112	98.821000
KS	79450	01-JUL-2010	11:32:55.074	11:34:38.717	103.64300
KS	79451	01-JUL-2010	13:12:03.586	13:13:40.822	97.236000
KS	79452	01-JUL-2010	14:50:43.084	14:52:26.425	103.34100
KS	79453	01-JUL-2010	16:28:22.199	16:30:04.515	102.31600
GS	79444	01-JUL-2010	01:15:32.132	01:16:36.459	64.327000
GS	79445	01-JUL-2010	02:52:43.377	02:53:44.554	61.177000
MS	79449	01-JUL-2010	10:08:38.764	10:10:18.706	99.942000
MS	79450	01-JUL-2010	11:45:49.137	11:47:32.795	103.65800
MS	79451	01-JUL-2010	13:27:40.106	13:29:10.916	90.810000
MA	79449	01-JUL-2010	10:01:25.953	10:02:29.159	63.206000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79443	01-JUL-2010	00:20:34.116	00:35:12.186	878.07000
MM	79443	01-JUL-2010	00:32:12.608	00:43:12.274	659.66600
HO	79444	01-JUL-2010	02:04:47.917	02:12:07.011	439.09400
BE	79445	01-JUL-2010	03:18:46.592	03:32:04.957	798.36500
MM	79445	01-JUL-2010	03:57:39.546	04:04:17.112	397.56600
MI	79445	01-JUL-2010	02:48:26.576	03:00:56.225	749.64900
SG	79445	01-JUL-2010	03:29:44.374	03:43:37.316	832.94200
CM	79445	01-JUL-2010	02:49:38.511	02:57:17.352	458.84100
CM	79445	01-JUL-2010	04:26:17.347	04:38:24.998	727.65100
MM	79446	01-JUL-2010	05:40:16.328	05:46:06.540	350.21200
MI	79446	01-JUL-2010	04:28:21.465	04:39:38.980	677.51500
GS	79446	01-JUL-2010	04:34:45.471	04:44:51.876	606.40500
MM	79447	01-JUL-2010	07:21:33.828	07:29:05.277	451.44900
JO	79447	01-JUL-2010	07:00:55.358	07:13:02.433	727.07500
MM	79448	01-JUL-2010	09:02:05.576	09:11:57.476	591.90000
JO	79448	01-JUL-2010	08:38:30.066	08:53:16.636	886.57000
MM	79449	01-JUL-2010	10:42:17.746	10:53:54.783	697.03700
MM	79450	01-JUL-2010	12:22:16.342	12:34:47.429	751.08700
MA	79450	01-JUL-2010	11:42:55.032	11:49:28.173	393.14100
BE	79451	01-JUL-2010	12:57:21.425	13:08:49.661	688.23600
MM	79451	01-JUL-2010	14:02:00.711	14:14:44.607	763.89600
SG	79451	01-JUL-2010	14:26:40.286	14:37:56.736	676.45000
BE	79452	01-JUL-2010	14:35:34.170	14:48:41.333	787.16300
MM	79452	01-JUL-2010	15:41:29.020	15:54:05.653	756.63300
MI	79452	01-JUL-2010	15:08:40.689	15:20:33.569	712.88000
GS	79452	01-JUL-2010	15:02:22.589	15:15:18.993	776.40400
SG	79452	01-JUL-2010	16:04:56.854	16:17:51.170	774.31600
CM	79452	01-JUL-2010	15:13:06.925	15:20:43.237	456.31200
MM	79453	01-JUL-2010	17:20:42.348	17:33:13.904	751.55600
MI	79453	01-JUL-2010	16:47:48.008	16:59:53.134	725.12600
GS	79453	01-JUL-2010	16:41:39.061	16:54:59.869	800.80800
CM	79453	01-JUL-2010	16:50:15.382	17:02:18.646	723.26400
MM	79454	01-JUL-2010	18:59:50.656	19:12:28.356	757.70000
KS	79454	01-JUL-2010	18:06:09.647	18:19:34.734	805.08700
GS	79454	01-JUL-2010	18:22:50.798	18:29:51.195	420.39700

JO	79454	01-JUL-2010	19:20:59.702	19:31:36.533	636.83100
MM	79455	01-JUL-2010	20:39:14.059	20:51:58.045	763.98600
MA	79455	01-JUL-2010	19:38:48.828	19:50:55.074	726.24600
KS	79455	01-JUL-2010	19:45:04.253	19:59:03.822	839.56900
JO	79455	01-JUL-2010	20:58:26.593	21:13:23.465	896.87200
HO	79456	01-JUL-2010	22:12:38.583	22:23:50.149	671.56600
MM	79456	01-JUL-2010	22:19:16.022	22:31:43.885	747.86300
MA	79456	01-JUL-2010	21:17:25.250	21:30:39.050	793.80000
KS	79456	01-JUL-2010	21:25:44.116	21:38:41.498	777.38200
JO	79456	01-JUL-2010	22:40:35.776	22:48:04.251	448.47500
HO	79457	01-JUL-2010	23:49:30.005	00:03:57.670	867.66500
MS	79457	01-JUL-2010	22:55:06.207	23:08:27.471	801.26400
KS	79457	01-JUL-2010	23:08:51.587	23:18:04.838	553.25100

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

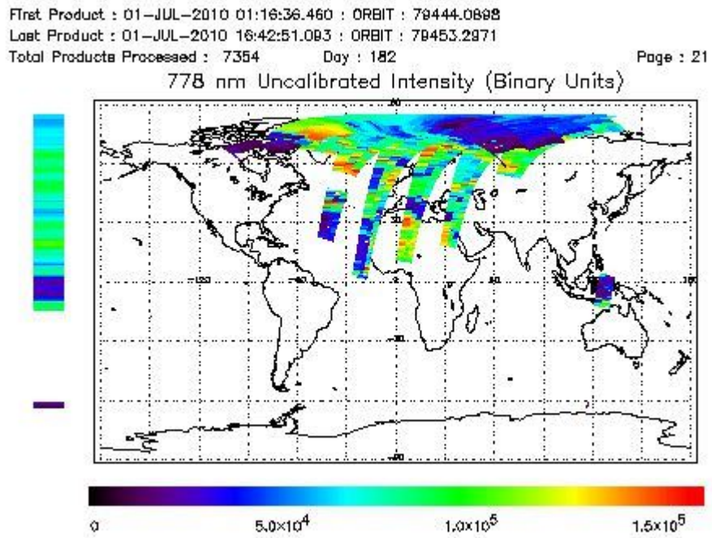
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

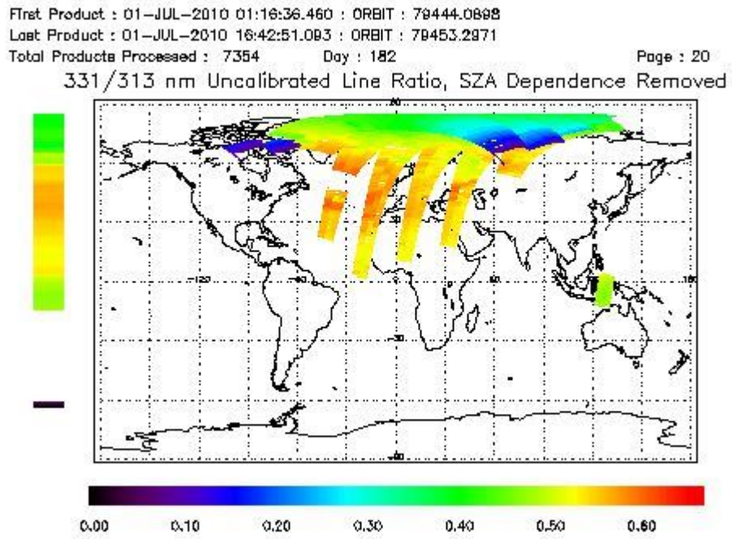
2.2 - Daily Plots

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

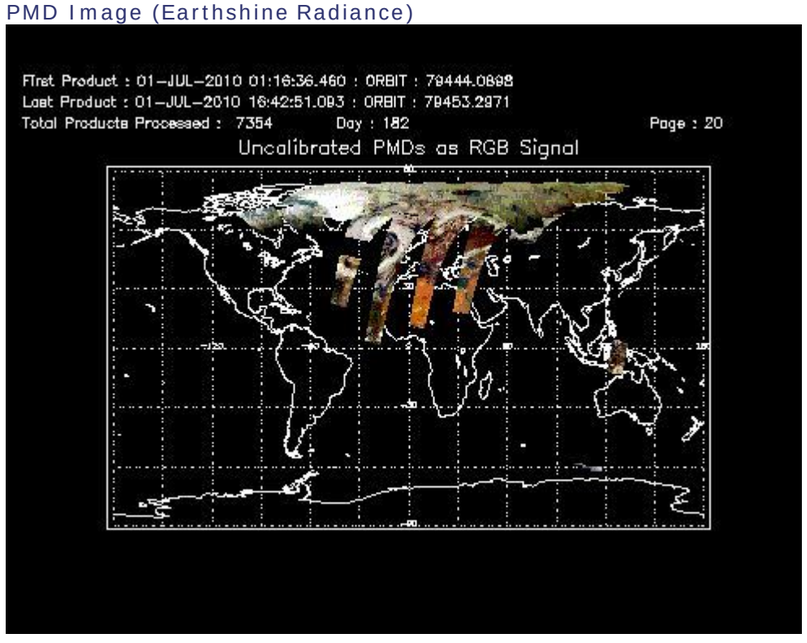
NEAR IR Intensity



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	19:50:08.733	--	79455	Yes	--	14560

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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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
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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