GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-AUG-2010
Start Time of First Product	23:57:05 (19-AUG)
Stop Time of Last Product	23:49:18
Number of EGOI Products analysed	44
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100820GSEP3214.E2	20-AUG-2010	01:44:22.195
EGOI_100820GSEP3245.E2	20-AUG-2010	03:23:01.797
EGOI_100820GSEP3254.E2	20-AUG-2010	05:05:45.926
EGOI_100820HLEP7028.E2	20-AUG-2010	00:51:29.356
EGOI_100820HLEP7036.E2	20-AUG-2010	11:23:06.225
EGOI_100820HLEP7044.E2	20-AUG-2010	13:01:20.327
EGOI_100820HLEP7053.E2	20-AUG-2010	14:41:32.939
EGOI_100820HLEP7061.E2	20-AUG-2010	22:41:44.874
EGOI_100820KSEP9147.E2	20-AUG-2010	07:04:16.648

EGOI_100820KSEP9166.E2	20-AUG-2010	08:44:12.755
EGOI_100820KSEP9191.E2	20-AUG-2010	10:23:53.861
EGOI_100820KSEP9213.E2	20-AUG-2010	12:03:24.471
EGOI_100820KSEP9229.E2	20-AUG-2010	13:42:20.574
EGOI_100820KSEP9254.E2	20-AUG-2010	15:20:54.181
EGOI_100820KSEP9283.E2	20-AUG-2010	16:58:21.776
EGOI_100820KSEP9314.E2	20-AUG-2010	18:36:19.372
EGOI_100820KSEP9338.E2	20-AUG-2010	20:15:18.478
EGOI_100820KSEP9365.E2	20-AUG-2010	21:56:25.097
EGOI_100820KSEP9388.E2	20-AUG-2010	23:40:27.231
EGOI_100820MAEP5840.E2	20-AUG-2010	08:51:57.791
EGOI_100820MAEP5851.E2	20-AUG-2010	10:31:20.908
EGOI_100820MAEP5873.E2	20-AUG-2010	20:08:40.938
EGOI_100820MAEP5892.E2	20-AUG-2010	21:48:22.048
EGOI_100820MIEP9012.E2	20-AUG-2010	01:44:20.695
EGOI_100820MIEP9036.E2	20-AUG-2010	03:18:12.266
EGOI_100820MIEP9058.E2	20-AUG-2010	05:00:24.887
EGOI_100820MIEP9077.E2	20-AUG-2010	15:38:24.283
EGOI_100820MIEP9103.E2	20-AUG-2010	17:18:50.397
EGOI_100820MMEP3307.E2	20-AUG-2010	04:27:24.683
EGOI_100820MMEP3314.E2	20-AUG-2010	06:09:40.308
EGOI_100820MMEP3319.E2	20-AUG-2010	07:51:00.435
EGOI_100820MMEP3329.E2	20-AUG-2010	09:31:43.048
EGOI_100820MMEP3336.E2	20-AUG-2010	11:12:00.154
EGOI_100820MMEP3343.E2	20-AUG-2010	12:51:51.766
EGOI_100820MMEP3353.E2	20-AUG-2010	16:11:09.490
EGOI_100820MMEP3360.E2	20-AUG-2010	17:51:14.598
EGOI_100820MSEP6595.E2	19-AUG-2010	23:57:05.034
EGOI_100820MSEP6612.E2	20-AUG-2010	10:37:59.948
EGOI_100820MSEP6640.E2	20-AUG-2010	12:16:30.549
EGOI_100820MSEP6659.E2	20-AUG-2010	21:47:55.050
EGOI_100820MSEP6690.E2	20-AUG-2010	23:25:18.141
EGOI_100820SGEP7535.E2	20-AUG-2010	02:24:16.427
EGOI_100820SGEP7542.E2	20-AUG-2010	14:57:55.536
EGOI_100820SGEP7548.E2	20-AUG-2010	16:36:36.643

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80163	20-AUG-2010	07:02:46.140	07:04:16.648	90.508000
KS	80164	20-AUG-2010	08:42:13.255	08:44:12.754	119.49900
KS	80165	20-AUG-2010	10:21:50.826	10:23:53.861	123.03500
KS	80166	20-AUG-2010	12:01:17.870	12:03:24.471	126.60100

KS	80167	20-AUG-2010	13:40:16.118	13:42:20.573	124.45500
KS	80168	20-AUG-2010	15:18:30.490	15:20:54.180	143.69000
KS	80169	20-AUG-2010	16:56:11.974	16:58:21.776	129.80200
KS	80170	20-AUG-2010	18:34:16.739	18:36:19.372	122.63300
KS	80171	20-AUG-2010	20:13:37.579	20:15:18.477	100.89800
KS	80172	20-AUG-2010	21:54:54.466	21:56:25.097	90.631000
KS	80173	20-AUG-2010	23:38:58.616	23:40:27.231	88.615000
GS	80160	20-AUG-2010	01:42:50.095	01:44:22.194	92.099000
GS	80161	20-AUG-2010	03:21:18.245	03:23:01.796	103.55100
MS	80159	19-AUG-2010	23:55:18.550	23:57:05.034	106.48400
MS	80165	20-AUG-2010	10:35:51.967	10:37:59.947	127.98000
MS	80166	20-AUG-2010	12:14:24.035	12:16:30.549	126.51400
MS	80173	20-AUG-2010	23:23:29.060	23:25:18.141	109.08100
MA	80165	20-AUG-2010	10:29:51.978	10:31:20.908	88.930000
MA	80171	20-AUG-2010	20:06:25.510	20:08:40.938	135.42800
MA	80172	20-AUG-2010	21:47:01.223	21:48:22.048	80.825000
MI	80160	20-AUG-2010	01:43:03.305	01:44:20.694	77.389000
MI	80168	20-AUG-2010	15:36:31.192	15:38:24.283	113.09100
MI	80169	20-AUG-2010	17:17:02.505	17:18:50.396	107.89100
MM	80165	20-AUG-2010	11:10:52.992	11:12:00.153	67.161000
MM	80166	20-AUG-2010	12:50:47.693	12:51:51.766	64.073000
MM	80168	20-AUG-2010	16:09:51.276	16:11:09.489	78.213000
MM	80169	20-AUG-2010	17:49:01.665	17:51:14.598	132.93300
SG	80160	20-AUG-2010	02:20:41.208	02:24:16.427	215.21900
SG	80167	20-AUG-2010	14:53:59.840	14:57:55.535	235.69500
SG	80168	20-AUG-2010	16:34:24.470	16:36:36.643	132.17300

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80159	20-AUG-2010	00:49:31.323	01:03:24.490	833.16700
MM	80159	20-AUG-2010	01:01:21.568	01:11:50.254	628.68600
KS	80159	20-AUG-2010	00:12:47.624	00:16:50.240	242.61600
BE	80160	20-AUG-2010	02:08:10.115	02:20:23.841	733.72600
MM	80160	20-AUG-2010	02:44:00.277	02:52:14.914	494.63700
BE	80161	20-AUG-2010	03:47:22.063	04:00:00.552	758.48900

SG	80161	20-AUG-2010	03:58:21.752	04:11:37.972	796.22000
CM	80161	20-AUG-2010	03:16:14.250	03:26:58.914	644.66400
CM	80161	20-AUG-2010	04:55:25.939	05:06:06.085	640.14600
JO	80163	20-AUG-2010	07:28:08.446	07:42:04.945	836.49900
JO	80164	20-AUG-2010	09:07:30.633	09:21:11.853	821.22000
HO	80165	20-AUG-2010	11:21:21.069	11:31:59.543	638.47400
HO	80166	20-AUG-2010	12:59:23.289	13:14:12.703	889.41400
HO	80167	20-AUG-2010	14:39:42.819	14:50:47.518	664.69900
MM	80167	20-AUG-2010	14:30:27.643	14:43:10.440	762.79700
SG	80167	20-AUG-2010	14:53:59.840	15:07:12.234	792.39400
BE	80168	20-AUG-2010	15:04:37.742	15:16:44.137	726.39500
GS	80168	20-AUG-2010	15:30:33.225	15:44:16.327	823.10200
CM	80168	20-AUG-2010	15:39:57.085	15:50:48.562	651.47700
GS	80169	20-AUG-2010	17:10:18.415	17:22:39.846	741.43100
CM	80169	20-AUG-2010	17:19:14.231	17:29:47.654	633.42300
MM	80170	20-AUG-2010	19:28:11.891	19:40:52.270	760.37900
JO	80170	20-AUG-2010	19:48:13.193	20:01:30.713	797.52000
MM	80171	20-AUG-2010	21:07:44.026	21:20:26.717	762.69100
JO	80171	20-AUG-2010	21:27:04.191	21:41:17.420	853.22900
HO	80172	20-AUG-2010	22:39:46.747	22:52:34.711	767.96400
MM	80172	20-AUG-2010	22:48:00.731	23:00:16.793	736.06200

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

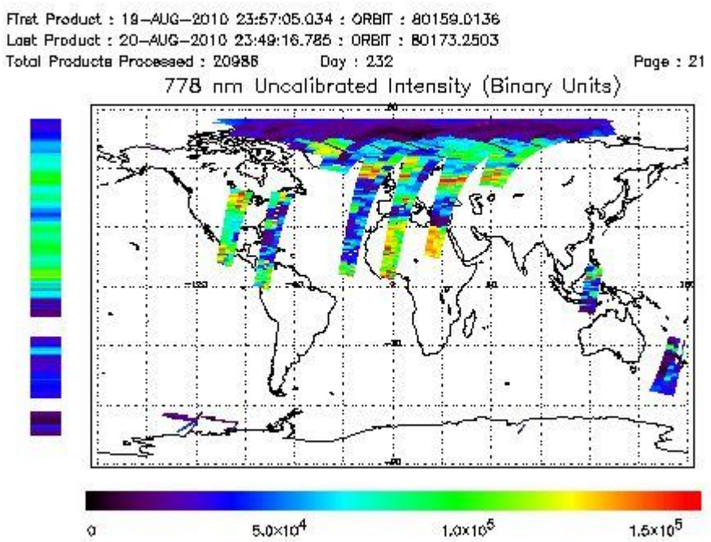
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK

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

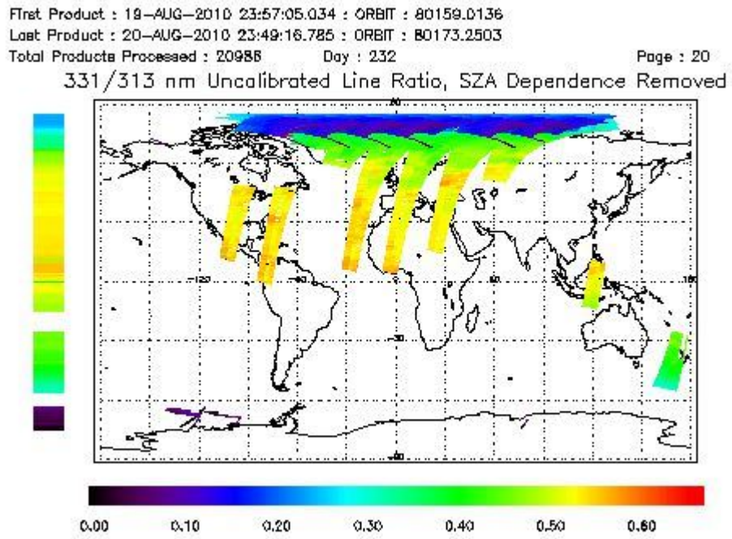
2.2 - Daily Plots

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

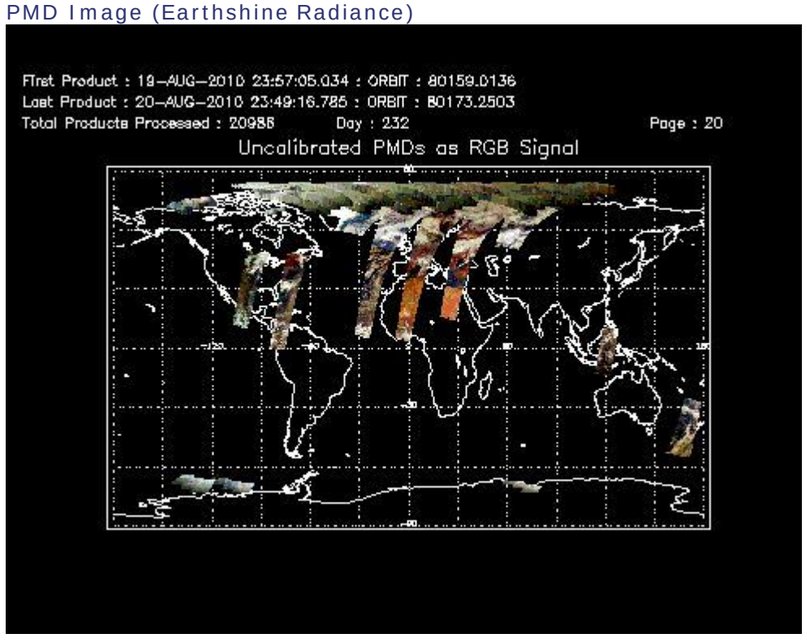
NEAR IR Intensity



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)
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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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[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
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5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
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[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