GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-AUG-2010
Start Time of First Product	23:53:28 (18-Aig)
Stop Time of Last Product	22:41:08
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100819GSEP3154.E2	19-AUG-2010	02:14:40.584
EGOI_100819GSEP3178.E2	19-AUG-2010	03:54:48.694
EGOI_100819GSEP3186.E2	19-AUG-2010	05:37:19.315
EGOI_100819HLEP6996.E2	18-AUG-2010	23:53:27.723
EGOI_100819HLEP7001.E2	19-AUG-2010	01:23:29.772
EGOI_100819HLEP7014.E2	19-AUG-2010	21:38:01.177
EGOI_100819HLEP7019.E2	19-AUG-2010	23:12:09.251
EGOI_100819KSEP8915.E2	19-AUG-2010	07:35:30.542
EGOI_100819KSEP8935.E2	19-AUG-2010	09:15:32.648

EGOI_100819KSEP8959.E2	19-AUG-2010	10:55:10.755
EGOI_100819KSEP8984.E2	19-AUG-2010	12:34:30.865
EGOI_100819KSEP9009.E2	19-AUG-2010	14:13:26.972
EGOI_100819KSEP9020.E2	19-AUG-2010	15:51:17.066
EGOI_100819KSEP9047.E2	19-AUG-2010	17:29:13.165
EGOI_100819KSEP9078.E2	19-AUG-2010	19:07:03.263
EGOI_100819KSEP9109.E2	19-AUG-2010	20:46:42.875
EGOI_100819KSEP9131.E2	19-AUG-2010	22:28:44.993
EGOI_100819MAEP5804.E2	19-AUG-2010	09:22:47.690
EGOI_100819MAEP5814.E2	19-AUG-2010	11:02:52.804
EGOI_100819MAEP5827.E2	19-AUG-2010	22:20:52.439
EGOI_100819MIEP8954.E2	19-AUG-2010	14:32:48.089
EGOI_100819MIEP8980.E2	19-AUG-2010	16:09:30.675
EGOI_100819MIEP9001.E2	19-AUG-2010	17:52:10.302
EGOI_100819MMEP3261.E2	19-AUG-2010	10:03:14.941
EGOI_100819MMEP3268.E2	19-AUG-2010	11:43:29.052
EGOI_100819MMEP3275.E2	19-AUG-2010	13:23:11.658
EGOI_100819MMEP3286.E2	19-AUG-2010	16:42:18.876
EGOI_100819MMEP3294.E2	19-AUG-2010	18:22:20.989
EGOI_100819MSEP6496.E2	19-AUG-2010	00:29:33.939
EGOI_100819MSEP6516.E2	19-AUG-2010	11:08:24.341
EGOI_100819MSEP6543.E2	19-AUG-2010	12:48:06.944
EGOI_100819MSEP6566.E2	19-AUG-2010	22:17:41.927
EGOI_100819SGEP7499.E2	19-AUG-2010	02:52:31.815
EGOI_100819SGEP7506.E2	19-AUG-2010	04:32:05.416
EGOI_100819SGEP7514.E2	19-AUG-2010	13:52:07.337
EGOI_100819SGEP7520.E2	19-AUG-2010	15:26:39.411
EGOI_100819SGEP7528.E2	19-AUG-2010	17:11:56.556

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80149	19-AUG-2010	07:33:58.190	07:35:30.541	92.351000
KS	80150	19-AUG-2010	09:13:32.030	09:15:32.647	120.61700
KS	80151	19-AUG-2010	10:53:08.113	10:55:10.754	122.64100
KS	80152	19-AUG-2010	12:32:28.232	12:34:30.864	122.63200
KS	80153	19-AUG-2010	14:11:20.851	14:13:26.971	126.12000
KS	80154	19-AUG-2010	15:49:13.280	15:51:17.066	123.78600
KS	80155	19-AUG-2010	17:27:07.317	17:29:13.164	125.84700
KS	80156	19-AUG-2010	19:05:19.882	19:07:03.262	103.38000
KS	80157	19-AUG-2010	20:45:13.181	20:46:42.875	89.694000
KS	80158	19-AUG-2010	22:27:14.980	22:28:44.993	90.013000

GS	80147	19-AUG-2010	03:53:12.550	03:54:48.693	96.143000
MS	80145	19-AUG-2010	00:27:59.639	00:29:33.939	94.300000
MS	80151	19-AUG-2010	11:06:16.454	11:08:24.340	127.88600
MS	80152	19-AUG-2010	12:46:07.457	12:48:06.943	119.48600
MS	80158	19-AUG-2010	22:16:13.189	22:17:41.926	88.737000
MS	80159	19-AUG-2010	23:55:18.550	23:57:05.034	106.48400
MA	80150	19-AUG-2010	09:21:42.944	09:22:47.690	64.746000
MI	80153	19-AUG-2010	14:31:02.332	14:32:48.088	105.75600
MI	80154	19-AUG-2010	16:07:36.935	16:09:30.674	113.73900
MI	80155	19-AUG-2010	17:50:37.000	17:52:10.302	93.302000
MM	80150	19-AUG-2010	10:02:14.599	10:03:14.941	60.342000
MM	80151	19-AUG-2010	11:42:18.511	11:43:29.052	70.541000
MM	80152	19-AUG-2010	13:22:08.793	13:23:11.657	62.864000
MM	80154	19-AUG-2010	16:41:02.418	16:42:18.876	76.458000
MM	80155	19-AUG-2010	18:20:10.842	18:22:20.989	130.14700
SG	80146	19-AUG-2010	02:50:32.519	02:52:31.815	119.29600
SG	80147	19-AUG-2010	04:30:32.871	04:32:05.415	92.544000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	80144	18-AUG-2010	23:51:33.079	00:03:09.035	695.95600
HO	80145	19-AUG-2010	01:21:35.979	01:34:05.740	749.76100
MM	80145	19-AUG-2010	01:33:31.361	01:43:21.534	590.17300
BE	80146	19-AUG-2010	02:39:03.684	02:52:17.253	793.56900
MM	80146	19-AUG-2010	03:16:24.297	03:23:53.885	449.58800
MI	80146	19-AUG-2010	02:10:33.305	02:20:02.944	569.63900
CM	80146	19-AUG-2010	03:46:34.648	03:58:46.719	732.07100
BE	80147	19-AUG-2010	04:19:03.295	04:30:12.829	669.53400
MM	80147	19-AUG-2010	04:59:22.525	05:05:12.271	349.74600
MI	80147	19-AUG-2010	03:47:33.380	04:00:44.764	791.38400
MM	80148	19-AUG-2010	06:41:10.869	06:47:49.990	399.12100
KS	80148	19-AUG-2010	05:55:25.697	05:59:51.165	265.46800
CM	80148	19-AUG-2010	05:28:48.354	05:35:21.597	393.24300
JO	80148	19-AUG-2010	06:24:28.247	06:31:10.047	401.80000
MM	80149	19-AUG-2010	08:21:56.033	08:30:53.623	537.59000

JO	80149	19-AUG-2010	07:58:43.930	08:13:37.789	893.85900
JO	80150	19-AUG-2010	09:40:13.468	09:51:17.565	664.09700
BE	80153	19-AUG-2010	13:55:39.819	14:09:01.522	801.70300
HO	80153	19-AUG-2010	15:11:46.178	15:20:07.174	500.99600
MM	80153	19-AUG-2010	15:01:43.700	15:14:24.078	760.37800
GS	80153	19-AUG-2010	14:23:23.082	14:33:54.857	631.77500
SG	80153	19-AUG-2010	15:24:48.381	15:38:41.502	833.12100
BE	80154	19-AUG-2010	15:37:19.777	15:47:07.322	587.54500
GS	80154	19-AUG-2010	16:01:44.306	16:15:39.976	835.67000
CM	80154	19-AUG-2010	16:10:29.863	16:22:45.380	735.51700
GS	80155	19-AUG-2010	17:42:00.279	17:52:38.449	638.17000
CM	80155	19-AUG-2010	17:52:06.471	17:58:48.459	401.98800
MM	80156	19-AUG-2010	19:59:25.345	20:12:08.149	762.80400
MA	80156	19-AUG-2010	19:03:23.960	19:08:50.710	326.75000
JO	80156	19-AUG-2010	20:18:50.944	20:33:32.235	881.29100
MM	80157	19-AUG-2010	21:39:09.258	21:51:47.740	758.48200
MA	80157	19-AUG-2010	20:37:14.900	20:50:54.838	819.93800
JO	80157	19-AUG-2010	21:58:56.323	22:11:21.166	744.84300
HO	80158	19-AUG-2010	23:10:12.850	23:24:04.418	831.56800
MM	80158	19-AUG-2010	23:19:43.724	23:31:42.271	718.54700

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1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

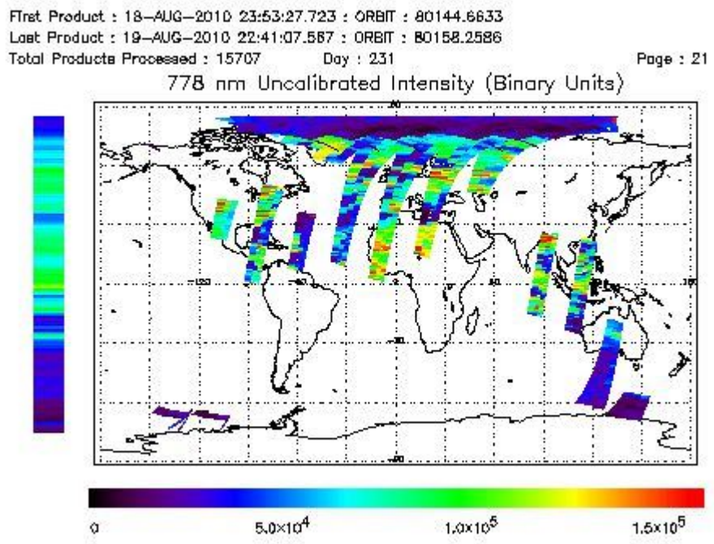
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

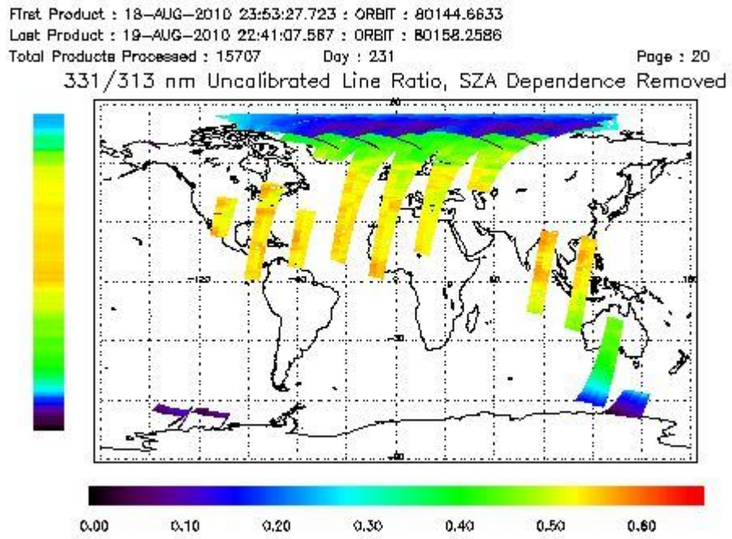
2.2 - Daily Plots

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

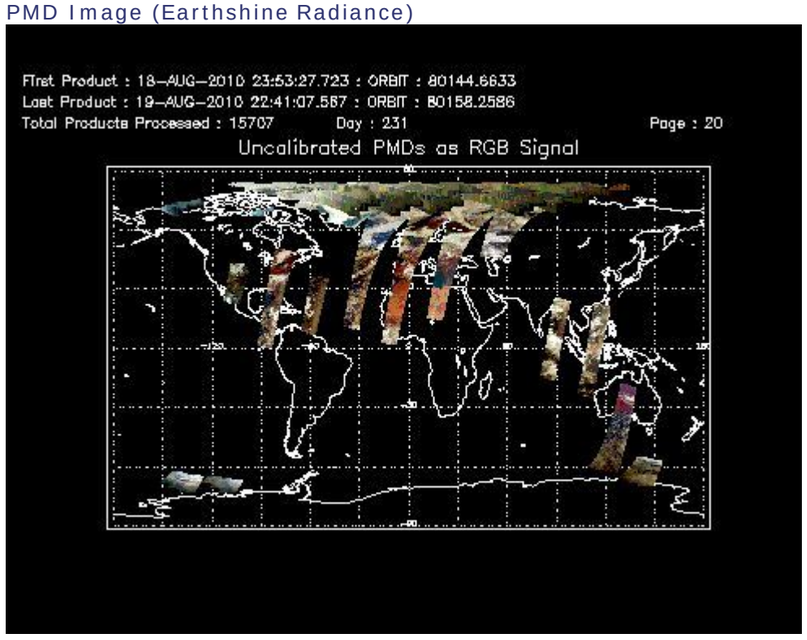
NEAR IR Intensity



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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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