GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	9-DEC-2010
Start Time of First Product	00:09:22
Stop Time of Last Product	23:50:50
Number of EGOI Products analysed	32
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101209CMEP2461.E2	09-DEC-2010	03:28:41.016
EGOI_101209CMEP2473.E2	09-DEC-2010	05:12:23.658
EGOI_101209CMEP2481.E2	09-DEC-2010	15:52:32.118
EGOI_101209CMEP2489.E2	09-DEC-2010	17:32:22.242
EGOI_101209HLEP8659.E2	09-DEC-2010	22:53:19.731
EGOI_101209KSEP6342.E2	09-DEC-2010	07:16:07.922
EGOI_101209KSEP6362.E2	09-DEC-2010	08:56:08.545
EGOI_101209KSEP6383.E2	09-DEC-2010	10:35:48.165
EGOI_101209KSEP6409.E2	09-DEC-2010	12:15:12.781

EGOI_101209KSEP6437.E2	09-DEC-2010	13:54:14.893
EGOI_101209KSEP6462.E2	09-DEC-2010	15:32:29.004
EGOI_101209KSEP6490.E2	09-DEC-2010	17:09:59.605
EGOI_101209KSEP6520.E2	09-DEC-2010	18:48:00.213
EGOI_101209KSEP6546.E2	09-DEC-2010	20:27:09.832
EGOI_101209KSEP6574.E2	09-DEC-2010	22:08:43.457
EGOI_101209MAEP0660.E2	09-DEC-2010	09:03:25.084
EGOI_101209MAEP0669.E2	09-DEC-2010	10:43:16.711
EGOI_101209MAEP0686.E2	09-DEC-2010	20:20:08.289
EGOI_101209MAEP0706.E2	09-DEC-2010	22:00:46.408
EGOI_101209MIEP7367.E2	09-DEC-2010	01:54:40.432
EGOI_101209MIEP7395.E2	09-DEC-2010	03:30:08.024
EGOI_101209MIEP7417.E2	09-DEC-2010	05:13:32.662
EGOI_101209MIEP7426.E2	09-DEC-2010	15:50:08.106
EGOI_101209MSEP9316.E2	09-DEC-2010	00:09:21.777
EGOI_101209MSEP9339.E2	09-DEC-2010	10:49:30.244
EGOI_101209MSEP9367.E2	09-DEC-2010	12:28:33.860
EGOI_101209MSEP9393.E2	09-DEC-2010	21:59:14.898
EGOI_101209MSEP9423.E2	09-DEC-2010	23:37:18.509
EGOI_101209SGEP0019.E2	09-DEC-2010	02:34:34.679
EGOI_101209SGEP0027.E2	09-DEC-2010	04:12:24.786
EGOI_101209SGEP0035.E2	09-DEC-2010	15:09:18.351
EGOI_101209SGEP0041.E2	09-DEC-2010	16:49:09.979

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81752	09-DEC-2010	07:14:06.288	07:16:07.921	121.63300
KS	81753	09-DEC-2010	08:53:36.394	08:56:08.545	152.15100
KS	81754	09-DEC-2010	10:33:13.623	10:35:48.165	154.54200
KS	81755	09-DEC-2010	12:12:38.363	12:15:12.781	154.41800
KS	81756	09-DEC-2010	13:51:32.989	13:54:14.893	161.90400
KS	81757	09-DEC-2010	15:29:40.273	15:32:29.003	168.73000
KS	81758	09-DEC-2010	17:07:22.243	17:09:59.604	157.36100
KS	81759	09-DEC-2010	18:45:33.289	18:48:00.213	146.92400
KS	81760	09-DEC-2010	20:25:05.508	20:27:09.831	124.32300
KS	81761	09-DEC-2010	22:06:38.175	22:08:43.457	125.28200
KS	81762	09-DEC-2010	23:51:09.330	23:52:42.599	93.269000
MS	81748	09-DEC-2010	00:07:04.287	00:09:21.776	137.48900
MS	81754	09-DEC-2010	10:46:51.042	10:49:30.243	159.20100
MS	81755	09-DEC-2010	12:25:52.585	12:28:33.859	161.27400

MS	81761	09-DEC-2010	21:57:13.107	21:59:14.897	121.79000
MS	81762	09-DEC-2010	23:34:58.679	23:37:18.509	139.83000
MA	81754	09-DEC-2010	10:41:16.590	10:43:16.710	120.12000
MA	81760	09-DEC-2010	20:17:34.840	20:20:08.288	153.44800
MA	81761	09-DEC-2010	21:58:48.611	22:00:46.407	117.79600
MI	81749	09-DEC-2010	01:52:29.211	01:54:40.432	131.22100
MI	81750	09-DEC-2010	03:27:35.616	03:30:08.023	152.40700
MI	81751	09-DEC-2010	05:11:27.400	05:13:32.661	125.26100
MI	81757	09-DEC-2010	15:47:46.656	15:50:08.105	141.44900
SG	81749	09-DEC-2010	02:31:24.674	02:34:34.678	190.00400
SG	81750	09-DEC-2010	04:09:58.003	04:12:24.786	146.78300
SG	81756	09-DEC-2010	15:05:07.370	15:09:18.351	250.98100
SG	81757	09-DEC-2010	16:46:30.210	16:49:09.978	159.76800
CM	81750	09-DEC-2010	03:27:10.197	03:28:41.015	90.818000
CM	81757	09-DEC-2010	15:50:58.362	15:52:32.118	93.756000
CM	81758	09-DEC-2010	17:31:01.014	17:32:22.242	81.228000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81748	09-DEC-2010	01:01:10.968	01:14:35.849	804.88100
MM	81748	09-DEC-2010	01:13:02.612	01:23:17.800	615.18800
KS	81748	09-DEC-2010	00:25:42.627	00:27:23.583	100.95600
BE	81749	09-DEC-2010	02:19:21.777	02:32:03.907	762.13000
MM	81749	09-DEC-2010	02:55:46.939	03:03:45.039	478.10000
GS	81749	09-DEC-2010	01:53:51.977	02:06:44.493	772.51600
BE	81750	09-DEC-2010	03:58:51.493	04:11:03.558	732.06500
MM	81750	09-DEC-2010	04:38:50.571	04:44:50.584	360.01300
GS	81750	09-DEC-2010	03:32:50.704	03:46:16.915	806.21100
MM	81751	09-DEC-2010	06:20:55.814	06:27:13.444	377.63000
MM	81752	09-DEC-2010	08:01:49.876	08:10:18.833	508.95700
JO	81752	09-DEC-2010	07:39:11.658	07:53:35.769	864.11100
MM	81753	09-DEC-2010	09:42:12.203	09:52:52.119	639.91600
JO	81753	09-DEC-2010	09:19:17.254	09:32:14.264	777.01000
MM	81754	09-DEC-2010	11:22:18.788	11:34:23.377	724.58900
MM	81755	09-DEC-2010	13:02:11.899	13:14:52.031	760.13200

HO	81756	09-DEC-2010	14:51:19.938	15:01:02.251	582.31300
MM	81756	09-DEC-2010	14:41:50.039	14:54:32.063	762.02400
GS	81756	09-DEC-2010	14:04:17.489	14:12:37.034	499.54500
SG	81756	09-DEC-2010	15:05:07.370	15:18:43.647	816.27700
BE	81757	09-DEC-2010	15:16:24.769	15:27:51.535	686.76600
MM	81757	09-DEC-2010	16:21:11.840	16:33:45.224	753.38400
GS	81757	09-DEC-2010	15:41:52.422	15:55:44.411	831.98900
MM	81758	09-DEC-2010	18:00:21.345	18:12:54.212	752.86700
MI	81758	09-DEC-2010	17:28:57.440	17:37:24.494	507.05400
GS	81758	09-DEC-2010	17:21:48.514	17:33:37.441	708.92700
MM	81759	09-DEC-2010	19:39:32.859	19:52:14.216	761.35700
MA	81759	09-DEC-2010	18:44:46.008	18:48:51.801	245.79300
JO	81759	09-DEC-2010	19:59:17.787	20:13:14.489	836.70200
MM	81760	09-DEC-2010	21:19:09.016	21:31:50.549	761.53300
JO	81760	09-DEC-2010	21:38:36.361	21:52:18.395	822.03400
HO	81761	09-DEC-2010	22:50:51.278	23:04:01.986	790.70800
MM	81761	09-DEC-2010	22:59:32.008	23:11:42.270	730.26200

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time
MS	81761	21:59:37.401

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

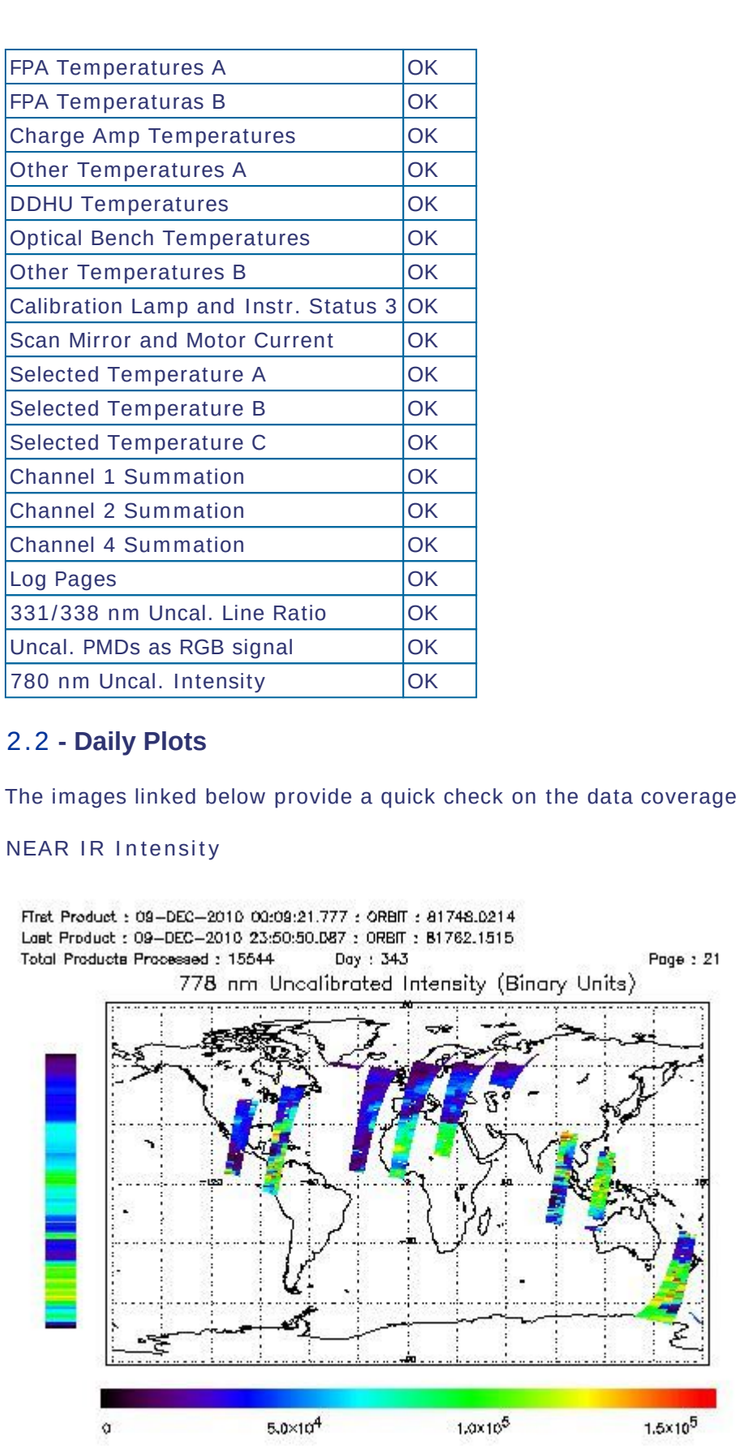
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

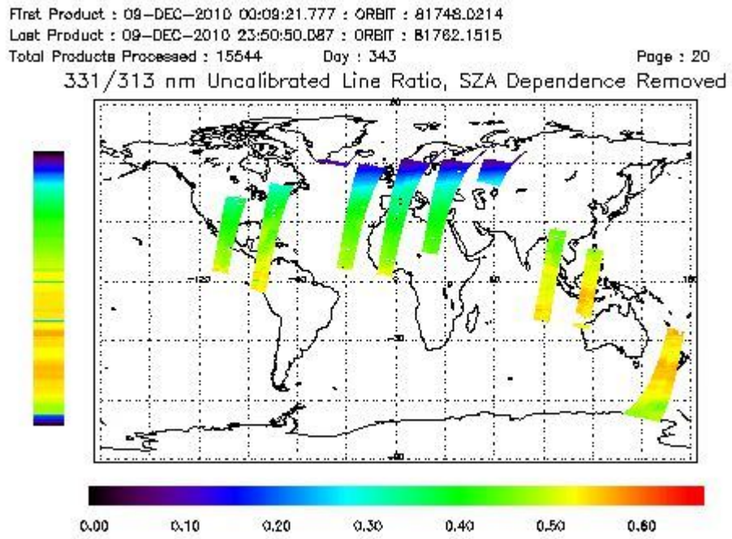
2.2 - Daily Plots

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

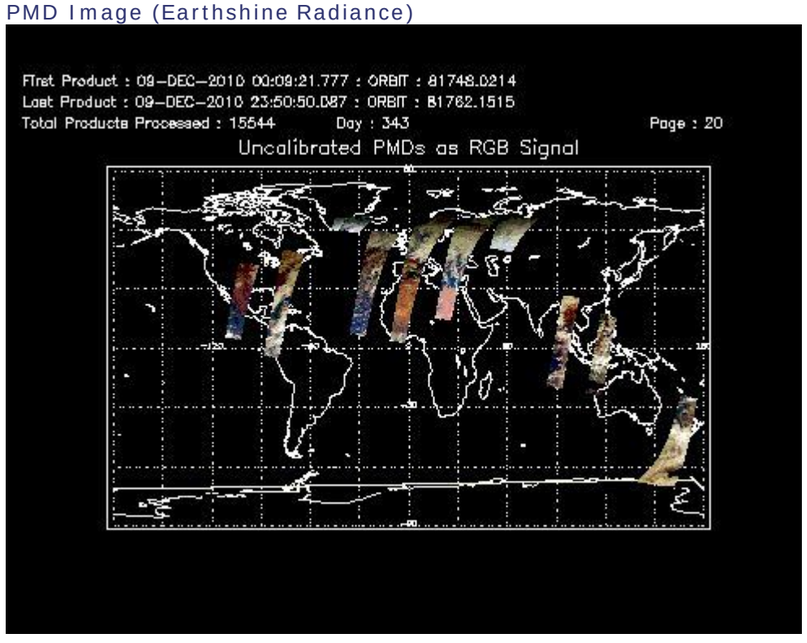
NEAR IR Intensity



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)
D	12:22:00.819	--	81755	Yes	--	15767

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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[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