GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-DEC_2010
Start Time of First Product	01:01:07
Stop Time of Last Product	23:10:06
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101217CMEP2694.E2	17-DEC-2010	04:18:39.813
EGOI_101217CMEP2702.E2	17-DEC-2010	15:03:36.313
EGOI_101217CMEP2710.E2	17-DEC-2010	16:40:17.410
EGOI_101217GSEP1509.E2	17-DEC-2010	01:06:46.118
EGOI_101217GSEP1541.E2	17-DEC-2010	02:43:22.721
EGOI_101217GSEP1570.E2	17-DEC-2010	04:24:45.844
EGOI_101217GSEP1577.E2	17-DEC-2010	06:06:59.987
EGOI_101217KSEP8397.E2	17-DEC-2010	06:24:48.092
EGOI_101217KSEP8424.E2	17-DEC-2010	08:04:56.211

EGOI_101217KSEP8446.E2	17-DEC-2010	09:44:34.332
EGOI_101217KSEP8468.E2	17-DEC-2010	11:24:12.448
EGOI_101217KSEP8484.E2	17-DEC-2010	13:03:19.064
EGOI_101217KSEP8509.E2	17-DEC-2010	14:42:07.676
EGOI_101217KSEP8537.E2	17-DEC-2010	16:19:53.284
EGOI_101217KSEP8564.E2	17-DEC-2010	17:57:52.396
EGOI_101217KSEP8595.E2	17-DEC-2010	19:35:51.504
EGOI_101217KSEP8626.E2	17-DEC-2010	21:16:13.129
EGOI_101217KSEP8651.E2	17-DEC-2010	22:59:33.267
EGOI_101217MAEP0889.E2	17-DEC-2010	09:52:08.881
EGOI_101217MIEP8089.E2	17-DEC-2010	02:39:51.198
EGOI_101217MIEP8118.E2	17-DEC-2010	04:18:59.313
EGOI_101217MIEP8143.E2	17-DEC-2010	15:00:06.294
EGOI_101217MIEP8173.E2	17-DEC-2010	16:38:41.402
EGOI_101217MSEP0272.E2	17-DEC-2010	01:01:07.083
EGOI_101217MSEP0290.E2	17-DEC-2010	10:00:31.431
EGOI_101217MSEP0316.E2	17-DEC-2010	11:37:12.535
EGOI_101217MSEP0340.E2	17-DEC-2010	13:18:10.159
EGOI_101217MSEP0372.E2	17-DEC-2010	22:46:00.181
EGOI_101217SGEP0209.E2	17-DEC-2010	03:21:12.456
EGOI_101217SGEP0216.E2	17-DEC-2010	05:03:25.083
EGOI_101217SGEP0222.E2	17-DEC-2010	14:17:52.527

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81866	17-DEC-2010	06:23:15.387	06:24:48.091	92.704000
KS	81867	17-DEC-2010	08:02:23.345	08:04:56.211	152.86600
KS	81868	17-DEC-2010	09:42:00.123	09:44:34.331	154.20800
KS	81869	17-DEC-2010	11:21:33.407	11:24:12.447	159.04000
KS	81870	17-DEC-2010	13:00:45.566	13:03:19.064	153.49800
KS	81871	17-DEC-2010	14:39:28.865	14:42:07.675	158.81000
KS	81872	17-DEC-2010	16:17:09.060	16:19:53.283	164.22300
KS	81873	17-DEC-2010	17:55:00.887	17:57:52.395	171.50800
KS	81874	17-DEC-2010	19:33:41.383	19:35:51.503	130.12000
KS	81875	17-DEC-2010	21:14:07.336	21:16:13.128	125.79200
KS	81876	17-DEC-2010	22:56:54.812	22:59:33.267	158.45500
GS	81863	17-DEC-2010	01:04:44.473	01:06:46.118	121.64500
GS	81864	17-DEC-2010	02:41:23.556	02:43:22.721	119.16500
GS	81865	17-DEC-2010	04:22:44.877	04:24:45.843	120.96600
MS	81869	17-DEC-2010	11:34:30.474	11:37:12.534	162.06000

MS	81870	17-DEC-2010	13:15:33.703	13:18:10.159	156.45600
MS	81876	17-DEC-2010	22:43:53.335	22:46:00.181	126.84600
MA	81868	17-DEC-2010	09:50:02.641	09:52:08.881	126.24000
MI	81864	17-DEC-2010	02:37:27.826	02:39:51.198	143.37200
MI	81865	17-DEC-2010	04:16:33.630	04:18:59.313	145.68300
MI	81871	17-DEC-2010	14:57:42.112	15:00:06.294	144.18200
MI	81872	17-DEC-2010	16:36:14.694	16:38:41.401	146.70700
SG	81864	17-DEC-2010	03:18:25.976	03:21:12.456	166.48000
SG	81865	17-DEC-2010	05:01:03.730	05:03:25.083	141.35300
SG	81870	17-DEC-2010	14:16:00.872	14:17:52.526	111.65400
CM	81872	17-DEC-2010	16:38:48.405	16:40:17.410	89.005000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81862	17-DEC-2010	00:09:13.585	00:23:50.792	877.20700
MM	81862	17-DEC-2010	00:20:34.518	00:31:45.412	670.89400
HO	81863	17-DEC-2010	01:52:05.858	02:01:33.980	568.12200
MM	81863	17-DEC-2010	02:02:50.680	02:12:02.452	551.77200
BE	81864	17-DEC-2010	03:07:23.469	03:20:47.766	804.29700
MM	81864	17-DEC-2010	03:45:52.487	03:52:43.879	411.39200
CM	81864	17-DEC-2010	02:39:34.344	02:44:54.386	320.04200
CM	81864	17-DEC-2010	04:14:49.445	04:27:11.014	741.56900
BE	81865	17-DEC-2010	04:48:11.051	04:57:04.899	533.84800
MM	81865	17-DEC-2010	05:28:36.726	05:34:23.869	347.14300
MM	81866	17-DEC-2010	07:10:02.384	07:17:18.003	435.61900
JO	81866	17-DEC-2010	06:50:14.625	07:01:17.082	662.45700
MM	81867	17-DEC-2010	08:50:37.466	09:00:14.390	576.92400
MA	81867	17-DEC-2010	08:11:57.015	08:22:16.349	619.33400
JO	81867	17-DEC-2010	08:27:02.651	08:42:00.521	897.87000
MM	81868	17-DEC-2010	10:30:51.349	10:42:18.967	687.61800
MM	81869	17-DEC-2010	12:10:51.473	12:23:18.787	747.31400
MA	81869	17-DEC-2010	11:31:18.528	11:39:02.709	464.18100
MM	81870	17-DEC-2010	13:50:37.569	14:03:21.470	763.90100
SG	81870	17-DEC-2010	14:16:00.872	14:25:59.437	598.56500
BE	81871	17-DEC-2010	14:24:04.914	14:37:23.844	798.93000

MM	81871	17-DEC-2010	15:30:07.765	15:42:45.473	757.70800
GS	81871	17-DEC-2010	14:51:10.065	15:03:36.335	746.27000
MM	81872	17-DEC-2010	17:09:22.504	17:21:54.063	751.55900
GS	81872	17-DEC-2010	16:30:13.415	16:43:49.818	816.40300
MM	81873	17-DEC-2010	18:48:30.538	19:01:07.162	756.62400
GS	81873	17-DEC-2010	18:11:04.961	18:19:22.031	497.07000
JO	81873	17-DEC-2010	19:10:25.448	19:19:16.978	531.53000
MM	81874	17-DEC-2010	20:27:50.995	20:40:34.945	763.95000
MA	81874	17-DEC-2010	19:27:53.331	19:39:19.130	685.79900
JO	81874	17-DEC-2010	20:47:04.316	21:02:05.897	901.58100
HO	81875	17-DEC-2010	22:01:54.496	22:12:13.831	619.33500
MM	81875	17-DEC-2010	22:07:47.478	22:20:19.042	751.56400
MA	81875	17-DEC-2010	21:05:56.360	21:19:16.456	800.09600
JO	81875	17-DEC-2010	22:28:28.287	22:37:51.571	563.28400
HO	81876	17-DEC-2010	23:38:11.696	23:52:34.856	863.16000
MM	81876	17-DEC-2010	23:48:39.234	00:00:17.458	698.22400

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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

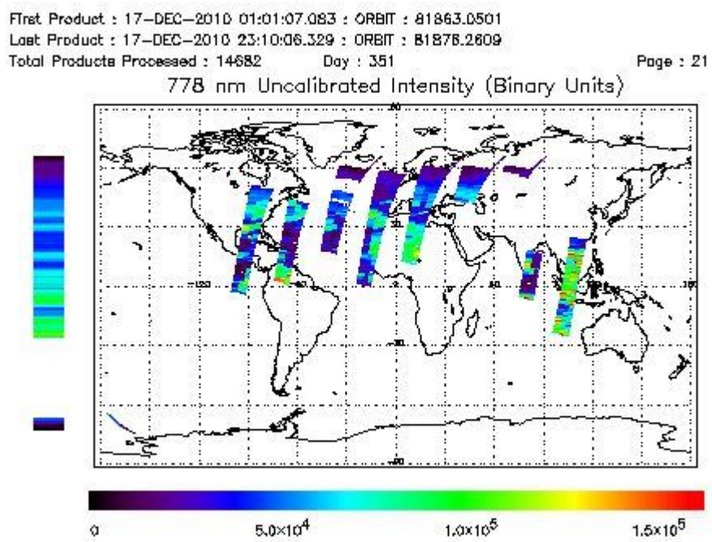
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

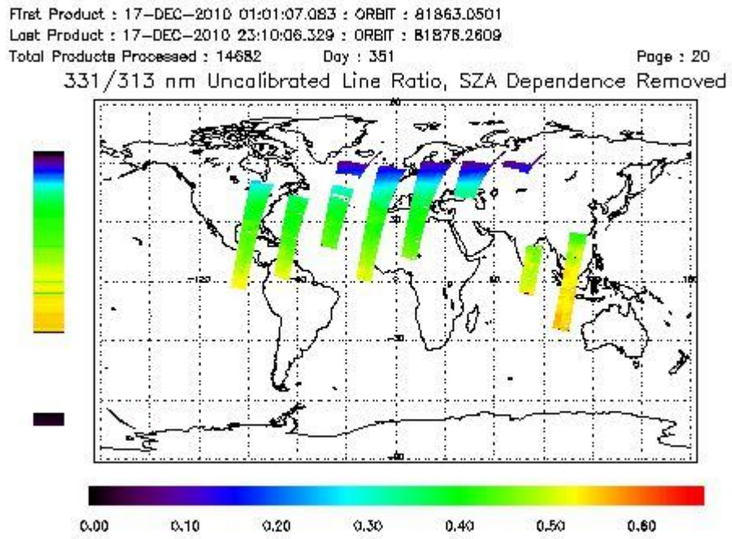
2.2 - Daily Plots

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

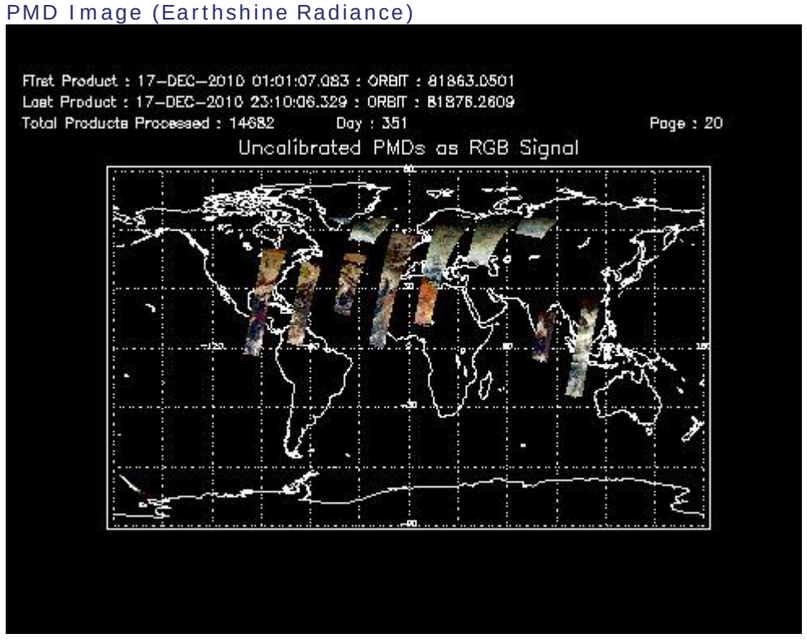
NEAR IR Intensity



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)
D	11:30:24.487	--	81869	Yes	--	15796

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