GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-DEC_2010
Start Time of First Product	00:27:11
Stop Time of Last Product	22:38:50
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_101218CMEP2719.E2	18-DEC-2010	03:45:20.041
EGOI_101218CMEP2729.E2	18-DEC-2010	05:32:37.207
EGOI_101218CMEP2734.E2	18-DEC-2010	16:09:23.160
EGOI_101218CMEP2743.E2	18-DEC-2010	17:50:17.787
EGOI_101218GSEP1606.E2	18-DEC-2010	02:12:28.470
EGOI_101218GSEP1633.E2	18-DEC-2010	03:52:26.088
EGOI_101218GSEP1641.E2	18-DEC-2010	05:34:56.726
EGOI_101218HLEP8762.E2	18-DEC-2010	15:11:25.804
EGOI_101218HLEP8770.E2	18-DEC-2010	21:36:02.693

EGOI_101218HLEP8777.E2	18-DEC-2010	23:10:00.272
EGOI_101218KSEP8679.E2	18-DEC-2010	07:33:15.458
EGOI_101218KSEP8697.E2	18-DEC-2010	09:13:14.578
EGOI_101218KSEP8718.E2	18-DEC-2010	10:52:54.198
EGOI_101218KSEP8747.E2	18-DEC-2010	12:32:14.321
EGOI_101218KSEP8757.E2	18-DEC-2010	14:11:10.428
EGOI_101218KSEP8768.E2	18-DEC-2010	15:49:02.039
EGOI_101218KSEP8793.E2	18-DEC-2010	17:26:58.142
EGOI_101218KSEP8824.E2	18-DEC-2010	19:04:43.749
EGOI_101218KSEP8854.E2	18-DEC-2010	20:44:26.368
EGOI_101218KSEP8880.E2	18-DEC-2010	22:26:48.002
EGOI_101218MAEP0904.E2	18-DEC-2010	09:21:08.632
EGOI_101218MAEP0912.E2	18-DEC-2010	11:00:25.744
EGOI_101218MAEP0931.E2	18-DEC-2010	22:18:23.951
EGOI_101218MIEP8197.E2	18-DEC-2010	02:10:17.958
EGOI_101218MIEP8219.E2	18-DEC-2010	03:47:09.553
EGOI_101218MIEP8238.E2	18-DEC-2010	14:30:43.549
EGOI_101218MIEP8257.E2	18-DEC-2010	16:07:17.148
EGOI_101218MIEP8267.E2	18-DEC-2010	17:49:37.283
EGOI_101218MSEP0398.E2	18-DEC-2010	00:27:11.313
EGOI_101218MSEP0420.E2	18-DEC-2010	11:06:06.281
EGOI_101218MSEP0447.E2	18-DEC-2010	12:45:48.899
EGOI_101218MSEP0477.E2	18-DEC-2010	22:15:31.431
EGOI_101218SGEP0231.E2	18-DEC-2010	03:01:43.771
EGOI_101218SGEP0237.E2	18-DEC-2010	04:38:47.374
EGOI_101218SGEP0244.E2	18-DEC-2010	17:09:28.040

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81881	18-DEC-2010	07:31:07.814	07:33:15.457	127.64300
KS	81882	18-DEC-2010	09:10:41.218	09:13:14.578	153.36000
KS	81883	18-DEC-2010	10:50:17.508	10:52:54.198	156.69000
KS	81884	18-DEC-2010	12:29:38.334	12:32:14.320	155.98600
KS	81885	18-DEC-2010	14:08:31.235	14:11:10.428	159.19300
KS	81886	18-DEC-2010	15:46:25.766	15:49:02.039	156.27300
KS	81887	18-DEC-2010	17:24:18.517	17:26:58.142	159.62500
KS	81888	18-DEC-2010	19:02:30.154	19:04:43.749	133.59500
KS	81889	18-DEC-2010	20:42:20.352	20:44:26.368	126.01600
KS	81890	18-DEC-2010	22:24:17.862	22:26:48.002	150.14000
GS	81878	18-DEC-2010	02:10:39.723	02:12:28.470	108.74700
GS	81879	18-DEC-2010	03:50:17.159	03:52:26.088	128.92900

MS	81877	18-DEC-2010	00:24:58.335	00:27:11.312	132.97700
MS	81883	18-DEC-2010	11:03:28.053	11:06:06.281	158.22800
MS	81884	18-DEC-2010	12:43:10.567	12:45:48.898	158.33100
MS	81890	18-DEC-2010	22:13:29.083	22:15:31.430	122.34700
MS	81891	18-DEC-2010	23:52:23.175	23:54:44.050	140.87500
MA	81882	18-DEC-2010	09:19:00.980	09:21:08.632	127.65200
MA	81883	18-DEC-2010	10:58:49.006	11:00:25.744	96.738000
MI	81878	18-DEC-2010	02:07:55.233	02:10:17.958	142.72500
MI	81879	18-DEC-2010	03:44:41.310	03:47:09.553	148.24300
SG	81879	18-DEC-2010	04:27:34.920	04:38:47.373	672.45300
CM	81878	18-DEC-2010	03:43:47.134	03:45:20.041	92.907000
CM	81880	18-DEC-2010	05:25:39.732	05:32:37.207	417.47500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	81876	17-DEC-2010	23:48:39.234	00:00:17.458	698.22400
HO	81877	18-DEC-2010	01:18:39.509	01:31:19.392	759.88300
MM	81877	18-DEC-2010	01:30:35.681	01:40:29.530	593.84900
GS	81877	18-DEC-2010	00:35:33.462	00:42:46.615	433.15300
BE	81878	18-DEC-2010	02:36:14.398	02:49:24.769	790.37100
MM	81878	18-DEC-2010	03:13:27.493	03:21:01.097	453.60400
CM	81878	18-DEC-2010	03:43:47.134	03:55:54.807	727.67300
BE	81879	18-DEC-2010	04:16:09.712	04:27:29.568	679.85600
MM	81879	18-DEC-2010	04:56:26.718	05:02:17.524	350.80600
MM	81880	18-DEC-2010	06:38:17.455	06:44:53.261	395.80600
KS	81880	18-DEC-2010	05:52:41.828	05:56:43.247	241.41900
JO	81880	18-DEC-2010	06:22:01.995	06:28:01.965	359.97000
MM	81881	18-DEC-2010	08:19:03.788	08:27:57.328	533.54000
JO	81881	18-DEC-2010	07:55:55.596	08:10:46.585	890.98900
MM	81882	18-DEC-2010	09:59:22.863	10:10:21.010	658.14700
JO	81882	18-DEC-2010	09:37:12.120	09:48:35.834	683.71400
MM	81883	18-DEC-2010	11:39:27.156	11:51:41.055	733.89900
MM	81884	18-DEC-2010	13:19:17.845	13:32:00.098	762.25300
HO	81885	18-DEC-2010	15:08:50.650	15:17:23.737	513.08700
MM	81885	18-DEC-2010	14:58:53.219	15:11:33.850	760.63100

MI	81885	18-DEC-2010	14:28:29.538	14:35:04.082	394.54400
GS	81885	18-DEC-2010	14:20:37.973	14:30:54.263	616.29000
SG	81885	18-DEC-2010	15:21:58.721	15:35:51.290	832.56900
BE	81886	18-DEC-2010	15:34:18.816	15:44:23.440	604.62400
MM	81886	18-DEC-2010	16:38:12.366	16:50:44.789	752.42300
MI	81886	18-DEC-2010	16:04:46.283	16:18:08.161	801.87800
GS	81886	18-DEC-2010	15:58:53.798	16:12:49.831	836.03300
CM	81886	18-DEC-2010	16:07:41.544	16:19:53.179	731.63500
MM	81887	18-DEC-2010	18:17:20.905	18:29:54.888	753.98300
MI	81887	18-DEC-2010	17:47:23.318	17:52:32.379	309.06100
GS	81887	18-DEC-2010	17:39:06.798	17:49:56.267	649.46900
CM	81887	18-DEC-2010	17:49:02.212	17:56:15.843	433.63100
MM	81888	18-DEC-2010	19:56:34.922	20:09:17.545	762.62300
MA	81888	18-DEC-2010	19:00:51.430	19:05:59.762	308.33200
JO	81888	18-DEC-2010	20:16:02.667	20:30:39.249	876.58200
MM	81889	18-DEC-2010	21:36:17.673	21:48:56.675	759.00200
MA	81889	18-DEC-2010	20:34:25.645	20:48:06.172	820.52700
JO	81889	18-DEC-2010	21:56:01.261	22:08:39.125	757.86400
HO	81890	18-DEC-2010	23:07:28.547	23:21:12.869	824.32200
MM	81890	18-DEC-2010	23:16:50.466	23:28:50.811	720.34500

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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

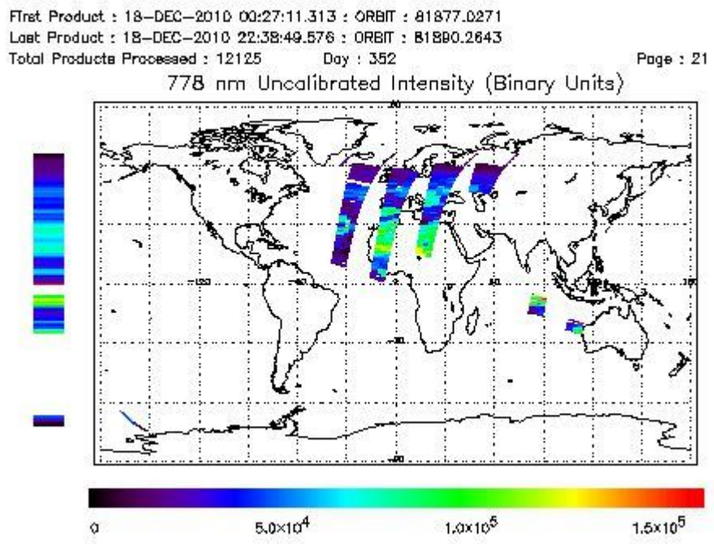
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

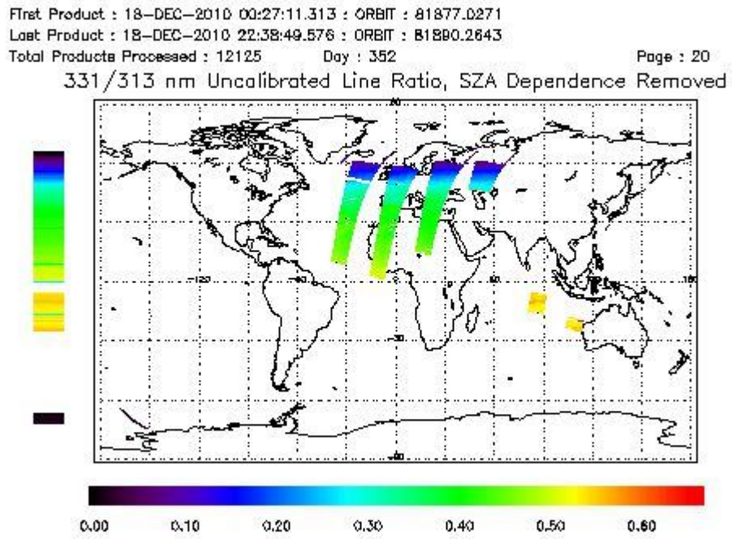
2.2 - Daily Plots

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

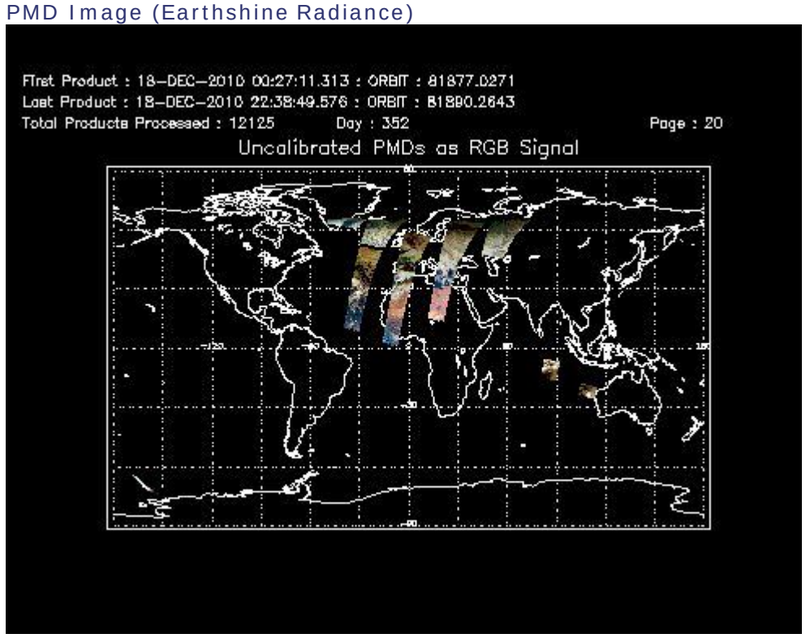
NEAR IR Intensity



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	10:58:51.237	--	81883	Yes	--	15822

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