GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-DEC-2010
Start Time of First Product	23:48:53 (15-Dec)
Stop Time of Last Product	23:41:20
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_101216CMEP2658.E2	16-DEC-2010	03:09:36.455
EGOI_101216CMEP2666.E2	16-DEC-2010	04:50:56.581
EGOI_101216CMEP2676.E2	16-DEC-2010	15:33:09.563
EGOI_101216CMEP2684.E2	16-DEC-2010	17:11:59.672
EGOI_101216GSEP1401.E2	16-DEC-2010	01:36:38.879
EGOI_101216GSEP1429.E2	16-DEC-2010	03:14:39.482
EGOI_101216GSEP1439.E2	16-DEC-2010	04:57:37.125
EGOI_101216GSEP1447.E2	09-NOV-2010	01:09:07.284
EGOI_101216GSEP1456.E2	09-NOV-2010	02:43:30.364

EGOI_101216GSEP1465.E2	09-NOV-2010	04:20:38.463
EGOI_101216GSEP1474.E2	10-NOV-2010	02:13:31.578
EGOI_101216GSEP1483.E2	10-NOV-2010	03:49:47.173
EGOI_101216HLEP8742.E2	16-DEC-2010	22:34:06.173
EGOI_101216KSEP8129.E2	16-DEC-2010	00:05:42.811
EGOI_101216KSEP8146.E2	16-DEC-2010	06:56:16.861
EGOI_101216KSEP8164.E2	16-DEC-2010	08:36:12.973
EGOI_101216KSEP8182.E2	16-DEC-2010	10:15:52.593
EGOI_101216KSEP8203.E2	16-DEC-2010	11:55:26.213
EGOI_101216KSEP8231.E2	16-DEC-2010	13:34:22.325
EGOI_101216KSEP8257.E2	16-DEC-2010	15:12:52.933
EGOI_101216KSEP8275.E2	16-DEC-2010	16:50:32.542
EGOI_101216KSEP8304.E2	16-DEC-2010	18:28:18.146
EGOI_101216KSEP8332.E2	16-DEC-2010	20:07:11.262
EGOI_101216KSEP8361.E2	16-DEC-2010	21:48:16.394
EGOI_101216KSEP8384.E2	16-DEC-2010	23:32:20.037
EGOI_101216MAEP0863.E2	16-DEC-2010	08:44:10.023
EGOI_101216MAEP0876.E2	16-DEC-2010	10:23:16.635
EGOI_101216MIEP8010.E2	16-DEC-2010	03:10:16.955
EGOI_101216MIEP8036.E2	16-DEC-2010	04:51:43.085
EGOI_101216MIEP8062.E2	16-DEC-2010	17:10:37.164
EGOI_101216MSEP0144.E2	15-DEC-2010	23:48:53.213
EGOI_101216MSEP0168.E2	16-DEC-2010	10:30:28.683
EGOI_101216MSEP0197.E2	16-DEC-2010	12:08:20.286
EGOI_101216MSEP0222.E2	16-DEC-2010	21:40:34.343
EGOI_101216MSEP0254.E2	16-DEC-2010	23:17:18.439
EGOI_101216SGEP0194.E2	16-DEC-2010	14:50:25.796
EGOI_101216SGEP0200.E2	16-DEC-2010	16:28:15.901

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81848	16-DEC-2010	00:03:26.997	00:05:42.810	135.81300
KS	81852	16-DEC-2010	06:54:16.630	06:56:16.861	120.23100
KS	81853	16-DEC-2010	08:33:40.965	08:36:12.973	152.00800
KS	81854	16-DEC-2010	10:13:18.639	10:15:52.593	153.95400
KS	81855	16-DEC-2010	11:52:47.255	11:55:26.212	158.95700
KS	81856	16-DEC-2010	13:31:48.753	13:34:22.325	153.57200
KS	81857	16-DEC-2010	15:10:13.452	15:12:52.932	159.48000
KS	81858	16-DEC-2010	16:47:50.071	16:50:32.542	162.47100
KS	81859	16-DEC-2010	18:25:49.995	18:28:18.146	148.15100
KS	81860	16-DEC-2010	20:05:02.628	20:07:11.262	128.63400

KS	81861	16-DEC-2010	21:46:08.056	21:48:16.393	128.33700
KS	81862	16-DEC-2010	23:29:53.915	23:32:20.036	146.12100
GS	81849	16-DEC-2010	01:34:36.104	01:36:38.879	122.77500
GS	81850	16-DEC-2010	03:12:41.415	03:14:39.482	118.06700
MS	81848	15-DEC-2010	23:46:33.576	23:48:53.212	139.63600
MS	81854	16-DEC-2010	10:27:38.212	10:30:28.682	170.47000
MS	81855	16-DEC-2010	12:05:46.931	12:08:20.286	153.35500
MS	81862	16-DEC-2010	23:14:55.091	23:17:18.438	143.34700
MA	81853	16-DEC-2010	08:42:36.014	08:44:10.022	94.008000
MA	81854	16-DEC-2010	10:21:21.999	10:23:16.635	114.63600
MI	81850	16-DEC-2010	03:07:53.183	03:10:16.955	143.77200
MI	81851	16-DEC-2010	04:49:23.756	04:51:43.085	139.32900
MI	81858	16-DEC-2010	17:08:12.217	17:10:37.164	144.94700
SG	81856	16-DEC-2010	14:45:43.139	14:50:25.796	282.65700
SG	81857	16-DEC-2010	16:25:28.550	16:28:15.900	167.35000
CM	81850	16-DEC-2010	03:08:07.778	03:09:36.455	88.677000
CM	81857	16-DEC-2010	15:31:46.189	15:33:09.562	83.373000
CM	81858	16-DEC-2010	17:10:28.925	17:11:59.672	90.747000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81848	16-DEC-2010	00:40:48.127	00:54:59.713	851.58600
MM	81848	16-DEC-2010	00:52:36.327	01:03:14.731	638.40400
BE	81849	16-DEC-2010	01:59:48.573	02:11:35.131	706.55800
MM	81849	16-DEC-2010	02:35:10.546	02:43:37.593	507.04700
SG	81849	16-DEC-2010	02:12:47.315	02:22:01.802	554.48700
BE	81850	16-DEC-2010	03:38:46.251	03:51:40.525	774.27400
MM	81850	16-DEC-2010	04:18:15.991	04:24:32.334	376.34300
SG	81850	16-DEC-2010	03:49:43.233	04:03:17.281	814.04800
MM	81851	16-DEC-2010	06:00:37.771	06:06:38.696	360.92500
MM	81852	16-DEC-2010	07:41:42.554	07:49:42.571	480.01700
JO	81852	16-DEC-2010	07:19:54.517	07:33:24.723	810.20600
MM	81853	16-DEC-2010	09:22:09.212	09:32:26.033	616.82100
JO	81853	16-DEC-2010	08:58:44.870	09:12:51.856	846.98600
MM	81854	16-DEC-2010	11:02:18.532	11:14:10.385	711.85300

MM	81855	16-DEC-2010	12:42:14.413	12:54:50.790	756.37700
HO	81856	16-DEC-2010	14:31:02.246	14:42:51.053	708.80700
MM	81856	16-DEC-2010	14:21:55.705	14:34:38.972	763.26700
SG	81856	16-DEC-2010	14:45:43.139	14:58:30.023	766.88400
BE	81857	16-DEC-2010	14:55:51.338	15:08:21.190	749.85200
MM	81857	16-DEC-2010	16:01:20.729	16:13:55.598	754.86900
MI	81857	16-DEC-2010	15:28:07.079	15:40:58.779	771.70000
GS	81857	16-DEC-2010	15:22:04.841	15:35:37.796	812.95500
MM	81858	16-DEC-2010	17:40:31.899	17:53:03.862	751.96300
GS	81858	16-DEC-2010	17:01:41.777	17:14:24.187	762.41000
MM	81859	16-DEC-2010	19:19:41.358	19:32:20.954	759.59600
JO	81859	16-DEC-2010	19:39:58.246	19:52:38.374	760.12800
MM	81860	16-DEC-2010	20:59:10.671	21:11:53.979	763.30800
MA	81860	16-DEC-2010	19:58:05.953	20:11:21.984	796.03100
JO	81860	16-DEC-2010	21:18:27.074	21:32:58.335	871.26100
HO	81861	16-DEC-2010	22:31:35.753	22:43:58.985	743.23200
MM	81861	16-DEC-2010	22:39:22.804	22:51:42.802	739.99800
MA	81861	16-DEC-2010	21:37:41.034	21:50:26.397	765.36300

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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

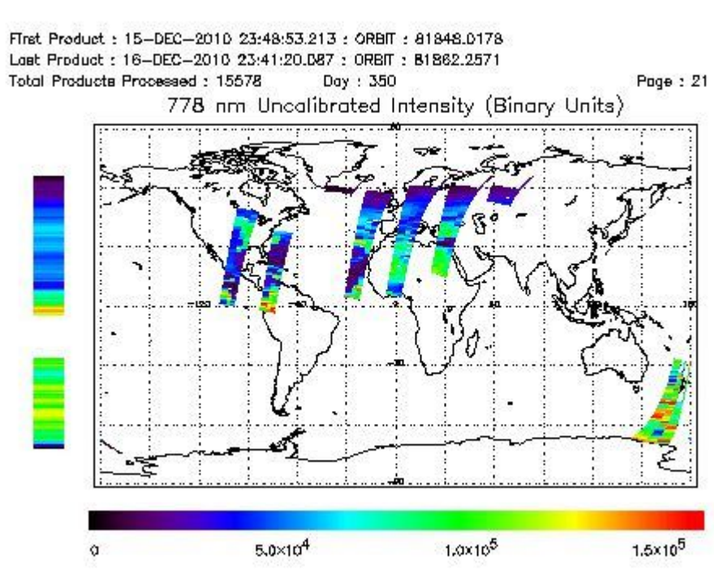
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

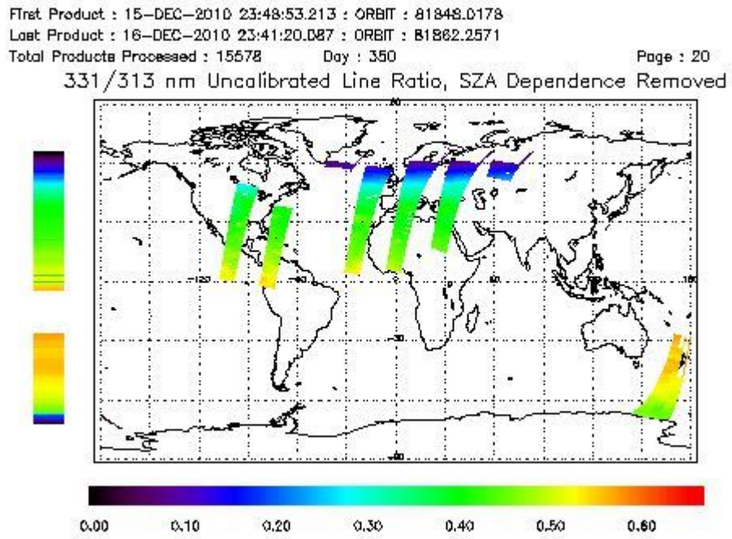
2.2 - Daily Plots

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

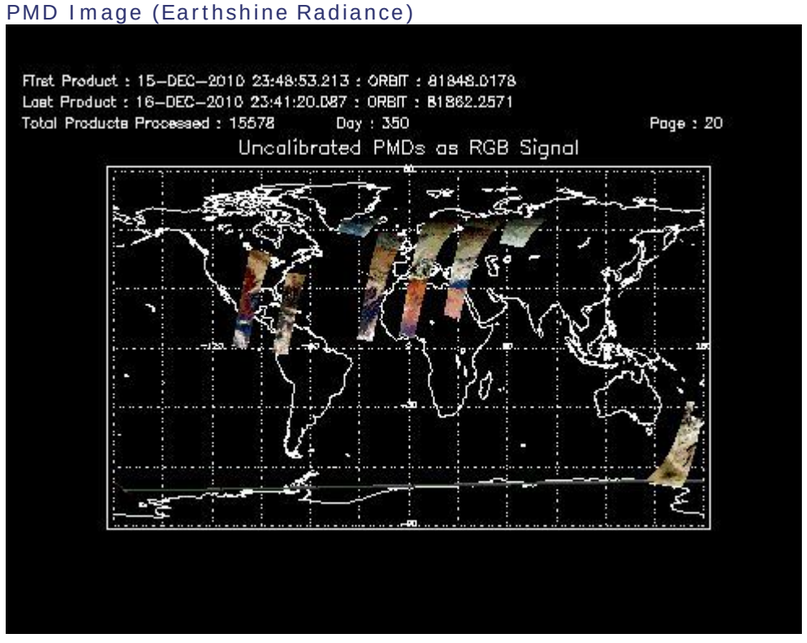
NEAR IR Intensity



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	12:02:05.256	--	81857	Yes	--	15720

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