GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-JAN-2010
Start Time of First Product	01:00:42
Stop Time of Last Product	23:09:55
Number of EGOI Products analysed	37
Number of corrupted products	0
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_100101BEEP1532.E2;1	01-JAN-2010	03:09:46.485
EGOI_100101BEEP1538.E2	01-JAN-2010	04:51:17.115
EGOI_100101CMEP5990.E2	01-JAN-2010	02:40:14.804
EGOI_100101CMEP5999.E2	01-JAN-2010	04:18:51.415
EGOI_100101GSEP6483.E2	01-JAN-2010	01:06:18.725
EGOI_100101GSEP6515.E2	01-JAN-2010	02:43:11.824
EGOI_100101GSEP6544.E2	01-JAN-2010	04:24:36.447
EGOI_100101GSEP6551.E2	01-JAN-2010	06:06:47.577
EGOI_100101HLEP4802.E2	01-JAN-2010	14:04:35.531

EGOI_100101KSEP2376.E2	01-JAN-2010	06:24:50.687
EGOI_100101KSEP2406.E2	01-JAN-2010	08:04:43.806
EGOI_100101KSEP2432.E2	01-JAN-2010	09:44:23.426
EGOI_100101KSEP2458.E2	01-JAN-2010	11:24:01.542
EGOI_100101KSEP2484.E2	01-JAN-2010	13:03:08.155
EGOI_100101KSEP2498.E2	01-JAN-2010	14:41:56.762
EGOI_100101KSEP2513.E2	01-JAN-2010	16:19:36.366
EGOI_100101KSEP2543.E2	01-JAN-2010	17:57:42.971
EGOI_100101KSEP2579.E2	01-JAN-2010	19:35:39.080
EGOI_100101KSEP2614.E2	01-JAN-2010	21:15:59.203
EGOI_100101KSEP2640.E2	01-JAN-2010	22:58:38.831
EGOI_100101MAEP7418.E2	01-JAN-2010	08:13:07.861
EGOI_100101MAEP7430.E2	01-JAN-2010	09:51:51.969
EGOI_100101MIEP9142.E2	01-JAN-2010	02:39:40.300
EGOI_100101MIEP9170.E2	01-JAN-2010	04:18:45.415
EGOI_100101MIEP9197.E2	01-JAN-2010	14:59:52.372
EGOI_100101MIEP9226.E2	01-JAN-2010	16:38:33.484
EGOI_100101MMEP2548.E2	01-JAN-2010	08:51:50.097
EGOI_100101MMEP2556.E2	01-JAN-2010	20:29:48.414
EGOI_100101MSEP9809.E2	01-JAN-2010	01:00:42.690
EGOI_100101MSEP9822.E2	01-JAN-2010	10:00:19.020
EGOI_100101MSEP9845.E2	01-JAN-2010	11:37:03.126
EGOI_100101MSEP9868.E2	01-JAN-2010	13:17:59.245
EGOI_100101MSEP9902.E2	01-JAN-2010	22:45:40.252
EGOI_100101SGEP2605.E2	01-JAN-2010	03:20:33.051
EGOI_100101SGEP2612.E2	01-JAN-2010	05:02:30.678
EGOI_100101SGEP2618.E2	01-JAN-2010	14:17:38.613
EGOI_100101SGEP2624.E2	01-JAN-2010	15:55:58.721

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
SG	76854	01-JAN-2010	03:18:25.974	03:20:33.050	127.07600
SG	76855	01-JAN-2010	05:01:03.728	05:02:30.678	86.950000
SG	76860	01-JAN-2010	14:16:00.870	14:17:38.613	97.743000
SG	76861	01-JAN-2010	15:53:22.092	15:55:58.720	156.62800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76852	01-JAN-2010	00:09:13.584	00:23:50.791	877.20700
MM	76852	01-JAN-2010	00:20:34.517	00:31:45.411	670.89400

HO	76853	01-JAN-2010	01:52:05.856	02:01:33.978	568.12200
MM	76853	01-JAN-2010	02:02:50.678	02:12:02.450	551.77200
GS	76853	01-JAN-2010	01:04:44.471	01:14:53.815	609.34400
BE	76854	01-JAN-2010	03:07:23.467	03:20:47.764	804.29700
MM	76854	01-JAN-2010	03:45:52.485	03:52:43.877	411.39200
MI	76854	01-JAN-2010	02:37:27.824	02:49:21.769	713.94500
GS	76854	01-JAN-2010	02:41:23.554	02:55:17.190	833.63600
CM	76854	01-JAN-2010	02:39:34.342	02:44:54.384	320.04200
CM	76854	01-JAN-2010	04:14:49.443	04:27:11.012	741.56900
BE	76855	01-JAN-2010	04:48:11.049	04:57:04.897	533.84800
MM	76855	01-JAN-2010	05:28:36.724	05:34:23.867	347.14300
MI	76855	01-JAN-2010	04:16:33.628	04:28:38.510	724.88200
GS	76855	01-JAN-2010	04:22:44.875	04:33:50.215	665.34000
MM	76856	01-JAN-2010	07:10:02.383	07:17:18.002	435.61900
JO	76856	01-JAN-2010	06:50:14.624	07:01:17.081	662.45700
MA	76857	01-JAN-2010	08:11:57.014	08:22:16.348	619.33400
JO	76857	01-JAN-2010	08:27:02.650	08:42:00.520	897.87000
MM	76858	01-JAN-2010	10:30:51.348	10:42:18.966	687.61800
MA	76858	01-JAN-2010	09:50:02.640	10:03:26.580	803.94000
MM	76859	01-JAN-2010	12:10:51.472	12:23:18.786	747.31400
KS	76859	01-JAN-2010	11:21:33.406	11:35:15.059	821.65300
MA	76859	01-JAN-2010	11:31:18.527	11:39:02.708	464.18100
MS	76859	01-JAN-2010	11:34:30.473	11:47:46.812	796.33900
MM	76860	01-JAN-2010	13:50:37.567	14:03:21.468	763.90100
KS	76860	01-JAN-2010	13:00:45.564	13:13:19.894	754.33000
MS	76860	01-JAN-2010	13:15:33.701	13:24:02.032	508.33100
SG	76860	01-JAN-2010	14:16:00.870	14:25:59.435	598.56500
BE	76861	01-JAN-2010	14:24:04.912	14:37:23.842	798.93000
MM	76861	01-JAN-2010	15:30:07.763	15:42:45.471	757.70800
MI	76861	01-JAN-2010	14:57:42.110	15:08:43.412	661.30200
GS	76861	01-JAN-2010	14:51:10.063	15:03:36.333	746.27000
CM	76861	01-JAN-2010	15:03:02.021	15:08:00.325	298.30400
MM	76862	01-JAN-2010	17:09:22.502	17:21:54.061	751.55900
MI	76862	01-JAN-2010	16:36:14.692	16:48:52.655	757.96300
KS	76862	01-JAN-2010	16:17:09.058	16:29:15.676	726.61800
GS	76862	01-JAN-2010	16:30:13.413	16:43:49.816	816.40300

CM	76862	01-JAN-2010	16:38:48.403	16:51:07.688	739.28500
MM	76863	01-JAN-2010	18:48:30.537	19:01:07.161	756.62400
KS	76863	01-JAN-2010	17:55:00.886	18:08:13.872	792.98600
GS	76863	01-JAN-2010	18:11:04.960	18:19:22.030	497.07000
JO	76863	01-JAN-2010	19:10:25.447	19:19:16.977	531.53000
MA	76864	01-JAN-2010	19:27:53.330	19:39:19.129	685.79900
KS	76864	01-JAN-2010	19:33:41.382	19:47:40.890	839.50800
JO	76864	01-JAN-2010	20:47:04.315	21:02:05.896	901.58100
HO	76865	01-JAN-2010	22:01:54.495	22:12:13.830	619.33500
MM	76865	01-JAN-2010	22:07:47.477	22:20:19.041	751.56400
MA	76865	01-JAN-2010	21:05:56.359	21:19:16.455	800.09600
JO	76865	01-JAN-2010	22:28:28.286	22:37:51.570	563.28400
HO	76866	01-JAN-2010	23:38:11.694	23:52:34.854	863.16000
MM	76866	01-JAN-2010	23:48:39.232	00:00:17.456	698.22400
MS	76866	01-JAN-2010	22:43:53.333	22:56:55.396	782.06300
KS	76866	01-JAN-2010	22:56:54.810	23:06:45.613	590.80300

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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

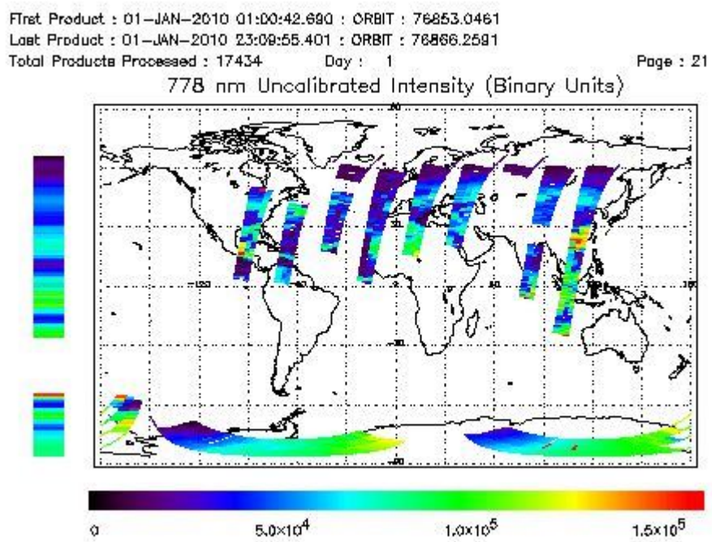
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

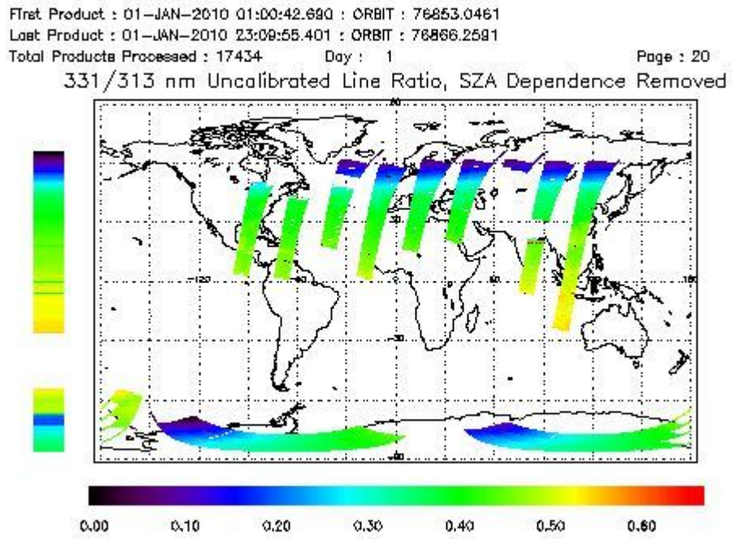
2.2 - Daily Plots

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

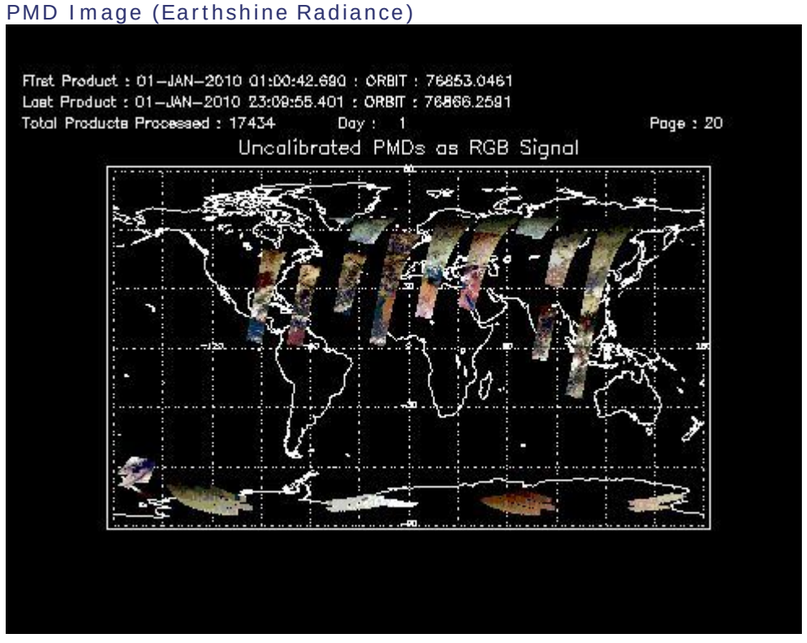
NEAR IR Intensity



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	11:30:06.081	--	17859	Yes	--	15852

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