GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-DEC-2010
Start Time of First Product	00:42:96
Stop Time of Last Product	22:53:02
Number of EGOI Products analysed	26
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101208CMEP2432.E2	08-DEC-2010	04:02:14.295
EGOI_101208CMEP2439.E2	08-DEC-2010	05:42:02.910
EGOI_101208CMEP2445.E2	08-DEC-2010	16:23:20.386
EGOI_101208CMEP2456.E2	08-DEC-2010	18:05:48.025
EGOI_101208KSEP6082.E2	08-DEC-2010	07:47:26.189
EGOI_101208KSEP6104.E2	08-DEC-2010	09:27:28.309
EGOI_101208KSEP6133.E2	08-DEC-2010	11:07:04.929
EGOI_101208KSEP6162.E2	08-DEC-2010	12:46:22.048
EGOI_101208KSEP6189.E2	08-DEC-2010	14:25:13.657

EGOI_101208KSEP6217.E2	08-DEC-2010	16:02:59.264
EGOI_101208KSEP6233.E2	08-DEC-2010	17:40:56.872
EGOI_101208KSEP6263.E2	08-DEC-2010	19:18:46.981
EGOI_101208KSEP6294.E2	08-DEC-2010	20:58:49.096
EGOI_101208KSEP6321.E2	08-DEC-2010	22:41:09.235
EGOI_101208MAEP0617.E2	08-DEC-2010	09:35:11.855
EGOI_101208MAEP0631.E2	08-DEC-2010	11:14:43.976
EGOI_101208MAEP0647.E2	08-DEC-2010	22:33:37.687
EGOI_101208MIEP7279.E2	08-DEC-2010	02:23:36.185
EGOI_101208MIEP7300.E2	08-DEC-2010	04:02:12.795
EGOI_101208MIEP7317.E2	08-DEC-2010	14:43:49.770
EGOI_101208MIEP7345.E2	08-DEC-2010	16:21:23.374
EGOI_101208MSEP9219.E2	08-DEC-2010	00:42:05.557
EGOI_101208MSEP9233.E2	08-DEC-2010	11:20:14.008
EGOI_101208MSEP9258.E2	08-DEC-2010	13:00:26.632
EGOI_101208MSEP9287.E2	08-DEC-2010	22:29:19.661
EGOI_101208SGEP0015.E2	08-DEC-2010	04:51:46.101

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81738	08-DEC-2010	07:45:19.978	07:47:26.189	126.21100
KS	81739	08-DEC-2010	09:24:55.281	09:27:28.309	153.02800
KS	81740	08-DEC-2010	11:04:30.408	11:07:04.929	154.52100
KS	81741	08-DEC-2010	12:43:47.538	12:46:22.048	154.51000
KS	81742	08-DEC-2010	14:22:36.519	14:25:13.657	157.13800
KS	81743	08-DEC-2010	16:00:23.188	16:02:59.263	156.07500
KS	81744	08-DEC-2010	17:38:18.197	17:40:56.872	158.67500
KS	81745	08-DEC-2010	19:16:39.545	19:18:46.981	127.43600
KS	81746	08-DEC-2010	20:56:45.546	20:58:49.096	123.55000
KS	81747	08-DEC-2010	22:39:04.973	22:41:09.235	124.26200
MS	81734	08-DEC-2010	00:40:14.141	00:42:05.557	111.41600
MS	81740	08-DEC-2010	11:17:31.030	11:20:14.007	162.97700
MS	81741	08-DEC-2010	12:57:51.169	13:00:26.631	155.46200
MS	81747	08-DEC-2010	22:27:13.255	22:29:19.661	126.40600
MA	81739	08-DEC-2010	09:33:01.275	09:35:11.855	130.58000
MA	81740	08-DEC-2010	11:13:43.567	11:14:43.976	60.409000
MI	81735	08-DEC-2010	02:21:12.586	02:23:36.185	143.59900
MI	81736	08-DEC-2010	03:59:05.034	04:02:12.794	187.76000
MI	81742	08-DEC-2010	14:41:30.803	14:43:49.769	138.96600

MI	81743	08-DEC-2010	16:19:01.549	16:21:23.374	141.82500
SG	81736	08-DEC-2010	04:42:31.563	04:51:46.101	554.53800
CM	81743	08-DEC-2010	16:21:46.011	16:23:20.386	94.375000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81733	07-DEC-2010	23:52:19.126	00:06:48.355	869.22900
MM	81733	08-DEC-2010	00:03:09.004	00:14:35.455	686.45100
HO	81734	08-DEC-2010	01:33:31.005	01:45:08.441	697.43600
MM	81734	08-DEC-2010	01:45:14.555	01:54:49.707	575.15200
GS	81734	08-DEC-2010	00:48:42.894	00:57:26.791	523.89700
BE	81735	08-DEC-2010	02:50:22.148	03:03:44.530	802.38200
MM	81735	08-DEC-2010	03:28:11.580	03:35:25.401	433.82100
GS	81735	08-DEC-2010	02:25:50.345	02:38:11.549	741.20400
SG	81735	08-DEC-2010	03:01:37.770	03:15:05.082	807.31200
CM	81735	08-DEC-2010	03:57:48.330	04:10:11.653	743.32300
BE	81736	08-DEC-2010	04:30:39.497	04:41:02.457	622.96000
MM	81736	08-DEC-2010	05:11:05.071	05:16:52.014	346.94300
GS	81736	08-DEC-2010	04:04:57.219	04:17:09.180	731.96100
MM	81737	08-DEC-2010	06:52:44.021	06:59:37.081	413.06000
KS	81737	08-DEC-2010	06:06:28.814	06:12:13.969	345.15500
JO	81737	08-DEC-2010	06:34:33.508	06:43:24.014	530.50600
MM	81738	08-DEC-2010	08:33:24.820	08:42:38.423	553.60300
MA	81738	08-DEC-2010	07:55:59.131	08:01:45.736	346.60500
JO	81738	08-DEC-2010	08:10:00.072	08:25:00.927	900.85500
MM	81739	08-DEC-2010	10:13:41.432	10:24:53.619	672.18700
JO	81739	08-DEC-2010	09:52:27.585	10:01:56.749	569.16400
HO	81740	08-DEC-2010	12:03:02.251	12:16:30.725	808.47400
MM	81740	08-DEC-2010	11:53:43.829	12:06:04.396	740.56700
HO	81741	08-DEC-2010	13:42:05.676	13:56:32.610	866.93400
MM	81741	08-DEC-2010	13:33:32.458	13:46:15.790	763.33200
SG	81741	08-DEC-2010	14:00:35.362	14:07:31.788	416.42600
BE	81742	08-DEC-2010	14:06:58.852	14:20:23.830	804.97800
HO	81742	08-DEC-2010	15:23:29.994	15:30:49.089	439.09500
MM	81742	08-DEC-2010	15:13:05.488	15:25:44.820	759.33200

GS	81742	08-DEC-2010	14:34:26.851	14:45:24.785	657.93400
SG	81742	08-DEC-2010	15:36:10.104	15:49:59.333	829.22900
BE	81743	08-DEC-2010	15:49:31.146	15:57:56.863	505.71700
MM	81743	08-DEC-2010	16:52:22.545	17:04:54.424	751.87900
GS	81743	08-DEC-2010	16:13:07.082	16:26:58.435	831.35300
MM	81744	08-DEC-2010	18:31:30.640	18:44:05.745	755.10500
GS	81744	08-DEC-2010	17:53:35.725	18:03:24.139	588.41400
MM	81745	08-DEC-2010	20:10:47.284	20:23:30.702	763.41800
MA	81745	08-DEC-2010	19:13:16.671	19:21:17.612	480.94100
JO	81745	08-DEC-2010	20:30:06.071	20:45:01.158	895.08700
HO	81746	08-DEC-2010	21:46:15.820	21:54:40.216	504.39600
MM	81746	08-DEC-2010	21:50:36.022	22:03:12.120	756.09800
MA	81746	08-DEC-2010	20:48:34.176	21:02:17.068	822.89200
JO	81746	08-DEC-2010	22:10:39.808	22:22:04.567	684.75900
HO	81747	08-DEC-2010	23:21:18.969	23:35:29.599	850.63000
MM	81747	08-DEC-2010	23:31:17.289	23:43:08.219	710.93000

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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

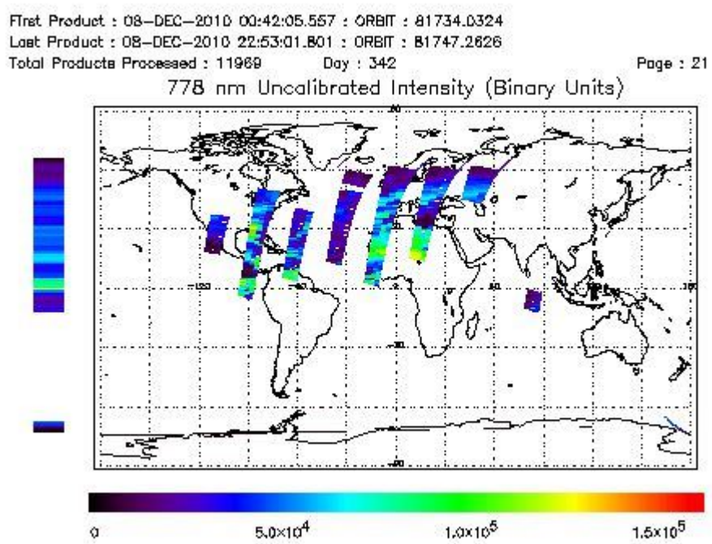
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

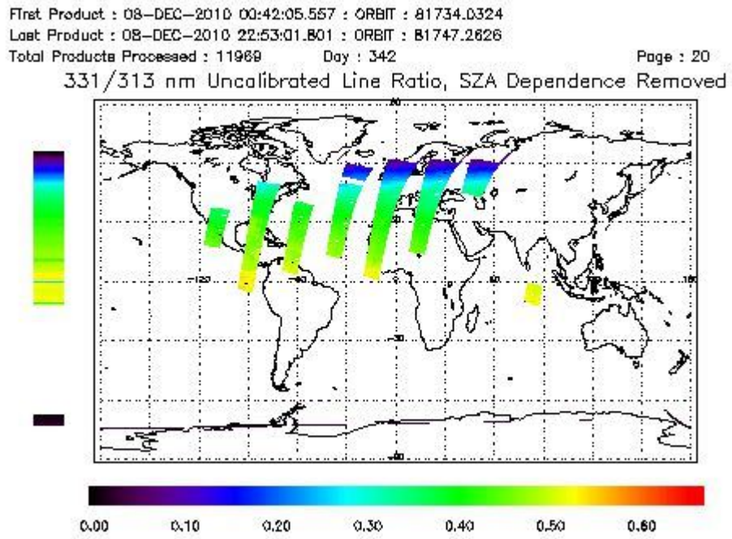
2.2 - Daily Plots

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

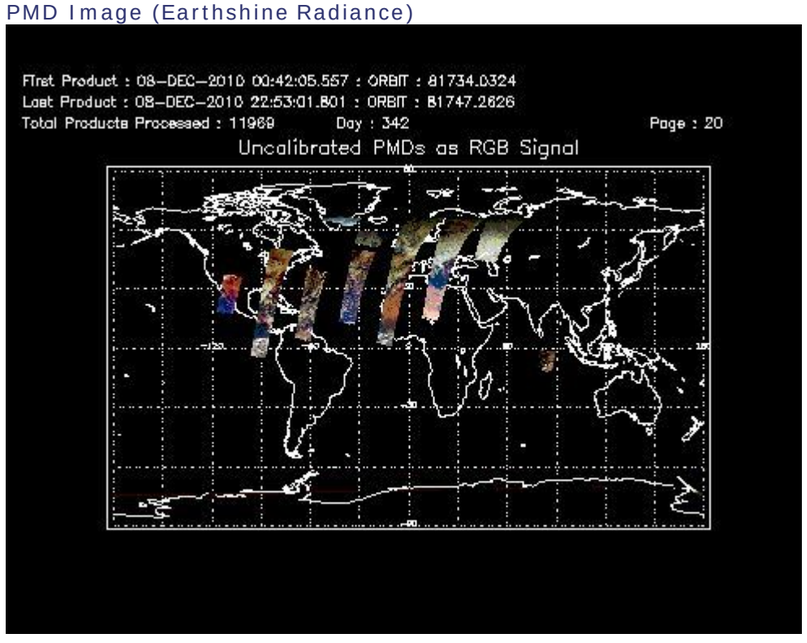
NEAR IR Intensity



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	12:53:34.087	--	81741	Yes	--	15744

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