GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-DEC-2009
Start Time of First Product	00:41:55
Stop Time of Last Product	22:52:53
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
OI_091223BEEP1456.E2;1	23-DEC-2009	02:52:54.366
EGOI_091223BEEP1462.E2	23-DEC-2009	04:33:18.980
EGOI_091223CMEP5856.E2	23-DEC-2009	04:02:03.789
EGOI_091223GSEP5853.E2	23-DEC-2009	02:26:15.207
EGOI_091223GSEP5877.E2	23-DEC-2009	04:06:51.834
EGOI_091223GSEP5884.E2	23-DEC-2009	05:49:23.964
EGOI_091223KSEP9710.E2	23-DEC-2009	07:47:17.189
EGOI_091223KSEP9736.E2	23-DEC-2009	09:27:17.812
EGOI_091223KSEP9764.E2	23-DEC-2009	11:06:55.927

EGOI_091223KSEP9796.E2	23-DEC-2009	12:46:11.539
EGOI_091223KSEP9807.E2	23-DEC-2009	14:25:06.151
EGOI_091223KSEP9836.E2	23-DEC-2009	16:02:50.252
EGOI_091223KSEP9868.E2	23-DEC-2009	17:40:46.360
EGOI_091223KSEP9904.E2	23-DEC-2009	19:18:37.964
EGOI_091223KSEP9939.E2	23-DEC-2009	20:58:38.580
EGOI_091223KSEP9961.E2	23-DEC-2009	22:41:01.712
EGOI_091223MAEP7157.E2	23-DEC-2009	09:35:04.359
EGOI_091223MAEP7166.E2	23-DEC-2009	11:14:36.470
EGOI_091223MIEP8253.E2	23-DEC-2009	02:23:25.691
EGOI_091223MIEP8274.E2	23-DEC-2009	04:02:03.798
EGOI_091223MIEP8283.E2	23-DEC-2009	14:43:39.261
EGOI_091223MIEP8308.E2	23-DEC-2009	16:21:17.366
EGOI_091223MMEP2198.E2	23-DEC-2009	01:46:29.959
EGOI_091223MMEP2205.E2	23-DEC-2009	05:11:43.225
EGOI_091223MMEP2216.E2	23-DEC-2009	11:55:32.222
EGOI_091223MSEP8775.E2	23-DEC-2009	00:41:55.064
EGOI_091223MSEP8798.E2	23-DEC-2009	11:20:03.501
EGOI_091223MSEP8822.E2	23-DEC-2009	13:00:16.125
EGOI_091223MSEP8849.E2	23-DEC-2009	22:29:16.645
EGOI_091223SGEP2387.E2	23-DEC-2009	03:04:22.932
EGOI_091223SGEP2396.E2	23-DEC-2009	04:44:22.047

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76728	23-DEC-2009	07:45:19.976	07:47:17.188	117.21200
KS	76729	23-DEC-2009	09:24:55.279	09:27:17.812	142.53300
KS	76730	23-DEC-2009	11:04:30.406	11:06:55.927	145.52100
KS	76731	23-DEC-2009	12:43:47.537	12:46:11.539	144.00200
KS	76732	23-DEC-2009	14:22:36.518	14:25:06.150	149.63200
KS	76733	23-DEC-2009	16:00:23.187	16:02:50.251	147.06400
KS	76734	23-DEC-2009	17:38:18.196	17:40:46.360	148.16400
KS	76735	23-DEC-2009	19:16:39.543	19:18:37.964	118.42100
KS	76736	23-DEC-2009	20:56:45.544	20:58:38.579	113.03500
KS	76737	23-DEC-2009	22:39:04.971	22:41:01.712	116.74100
GS	76726	23-DEC-2009	04:04:57.218	04:06:51.833	114.61500
MS	76724	23-DEC-2009	00:40:14.140	00:41:55.064	100.92400
MS	76730	23-DEC-2009	11:17:31.028	11:20:03.501	152.47300
MS	76731	23-DEC-2009	12:57:51.168	13:00:16.125	144.95700
MS	76737	23-DEC-2009	22:27:13.253	22:29:16.645	123.39200

MA	76729	23-DEC-2009	09:33:01.273	09:35:04.358	123.08500
MI	76725	23-DEC-2009	02:21:12.585	02:23:25.690	133.10500
MI	76726	23-DEC-2009	03:59:05.033	04:02:03.797	178.76400
MI	76732	23-DEC-2009	14:41:30.802	14:43:39.261	128.45900
MI	76733	23-DEC-2009	16:19:01.548	16:21:17.365	135.81700
MM	76724	23-DEC-2009	01:45:14.554	01:46:29.959	75.405000
MM	76730	23-DEC-2009	11:53:43.827	11:55:32.222	108.39500

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76723	22-DEC-2009	23:52:19.124	00:06:48.353	869.22900
MM	76723	23-DEC-2009	00:03:09.002	00:14:35.453	686.45100
HO	76724	23-DEC-2009	01:33:31.004	01:45:08.440	697.43600
GS	76724	23-DEC-2009	00:48:42.893	00:57:26.790	523.89700
BE	76725	23-DEC-2009	02:50:22.147	03:03:44.529	802.38200
MM	76725	23-DEC-2009	03:28:11.579	03:35:25.400	433.82100
SG	76725	23-DEC-2009	03:01:37.769	03:15:05.081	807.31200
CM	76725	23-DEC-2009	03:57:48.329	04:10:11.652	743.32300
BE	76726	23-DEC-2009	04:30:39.496	04:41:02.456	622.96000
SG	76726	23-DEC-2009	04:42:31.562	04:52:19.318	587.75600
MM	76727	23-DEC-2009	06:52:44.020	06:59:37.080	413.06000
KS	76727	23-DEC-2009	06:06:28.813	06:12:13.968	345.15500
CM	76727	23-DEC-2009	05:42:08.653	05:44:49.523	160.87000
JO	76727	23-DEC-2009	06:34:33.507	06:43:24.013	530.50600
MM	76728	23-DEC-2009	08:33:24.818	08:42:38.421	553.60300
MA	76728	23-DEC-2009	07:55:59.129	08:01:45.734	346.60500
JO	76728	23-DEC-2009	08:10:00.070	08:25:00.925	900.85500
MM	76729	23-DEC-2009	10:13:41.430	10:24:53.617	672.18700
JO	76729	23-DEC-2009	09:52:27.583	10:01:56.747	569.16400
HO	76730	23-DEC-2009	12:03:02.249	12:16:30.723	808.47400
HO	76731	23-DEC-2009	13:42:05.675	13:56:32.609	866.93400
MM	76731	23-DEC-2009	13:33:32.457	13:46:15.789	763.33200
SG	76731	23-DEC-2009	14:00:35.361	14:07:31.787	416.42600
BE	76732	23-DEC-2009	14:06:58.851	14:20:23.829	804.97800
HO	76732	23-DEC-2009	15:23:29.993	15:30:49.088	439.09500

MM	76732	23-DEC-2009	15:13:05.487	15:25:44.819	759.33200
GS	76732	23-DEC-2009	14:34:26.850	14:45:24.784	657.93400
SG	76732	23-DEC-2009	15:36:10.103	15:49:59.332	829.22900
BE	76733	23-DEC-2009	15:49:31.145	15:57:56.862	505.71700
MM	76733	23-DEC-2009	16:52:22.544	17:04:54.423	751.87900
GS	76733	23-DEC-2009	16:13:07.081	16:26:58.434	831.35300
CM	76733	23-DEC-2009	16:21:46.010	16:34:10.545	744.53500
MM	76734	23-DEC-2009	18:31:30.639	18:44:05.744	755.10500
GS	76734	23-DEC-2009	17:53:35.724	18:03:24.138	588.41400
CM	76734	23-DEC-2009	18:04:52.835	18:08:28.100	215.26500
MM	76735	23-DEC-2009	20:10:47.282	20:23:30.700	763.41800
MA	76735	23-DEC-2009	19:13:16.669	19:21:17.610	480.94100
JO	76735	23-DEC-2009	20:30:06.069	20:45:01.156	895.08700
HO	76736	23-DEC-2009	21:46:15.818	21:54:40.214	504.39600
MM	76736	23-DEC-2009	21:50:36.020	22:03:12.118	756.09800
MA	76736	23-DEC-2009	20:48:34.174	21:02:17.066	822.89200
JO	76736	23-DEC-2009	22:10:39.806	22:22:04.565	684.75900
HO	76737	23-DEC-2009	23:21:18.967	23:35:29.597	850.63000
MM	76737	23-DEC-2009	23:31:17.287	23:43:08.217	710.93000
MA	76737	23-DEC-2009	22:32:49.835	22:39:50.149	420.31400

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

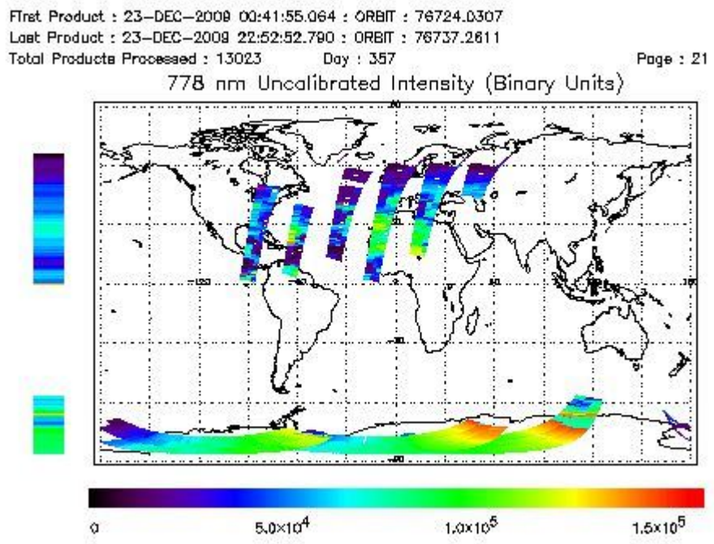
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

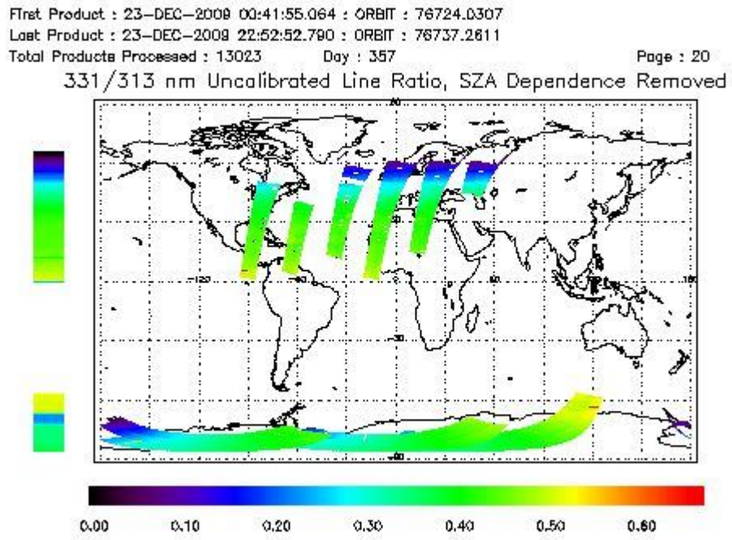
2.2 - Daily Plots

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

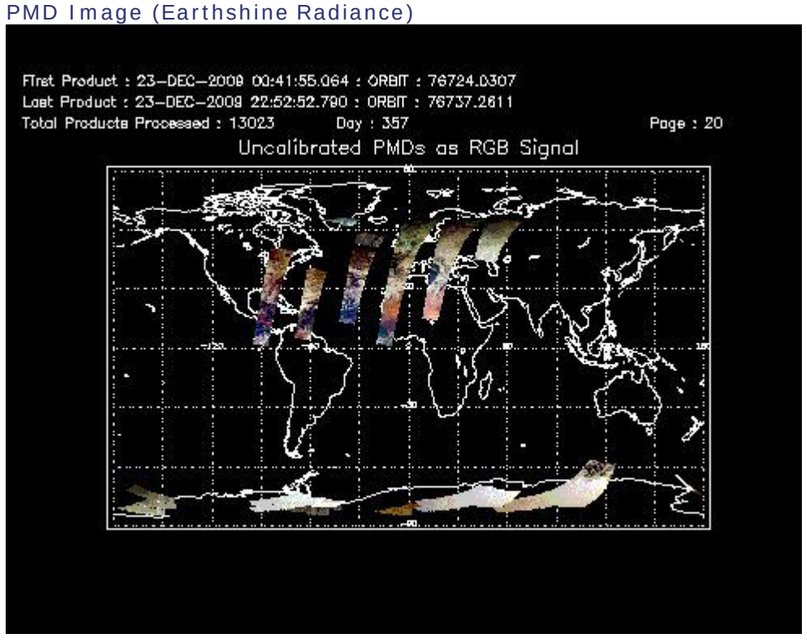
NEAR IR Intensity



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	12:53:35.580	--	76731	Yes	--	75790

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)
--	--	--	--	--	--	--	--

(1)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[BACK TO MENU]

(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