GOME Daily Report

INDEX

1. General Info
   1.1 Report Summary
   1.2 List of received products
   1.3 List of data gaps
   1.4 List of missing products
   1.5 List of corrupted products
2. Instrument Indicators and Daily Plots
   2.1 Instrument Indicators Status
   2.2 Daily Plots
3. Instrument Calibration
   3.1 Solar Calibration (daily/TST44)
   3.2 Lamp Calibration (quarterly/TST44)
4. Instrument Anomalies
   4.1 Single Event Upset (SEU)
   4.2 Instrument Off
   4.3 Cooler Switchings
5. Instrument Operations
   5.1 Timeline Interruptions
   5.2 TST44
   5.3 Power Cycle
   5.4 Wrong Command Execution
   5.5 Narrow Swath Timeline
   5.6 Seasonal Operations

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-FEB-2010
Start Time of First Product	00:06:02
Stop Time of Last Product	23:47:37
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100213BEEP1923.E2	13-FEB-2010	02:18:50.387
EGOI_100213BEEP1929.E2	13-FEB-2010	03:58:31.498
EGOI_100213CMEP6672.E2	13-FEB-2010	03:25:44.798
EGOI_100213CMEP6679.E2	13-FEB-2010	05:08:51.433
EGOI_100213GSEP9555.E2	13-FEB-2010	01:52:38.227
EGOI_100213GSEP9584.E2	13-FEB-2010	03:31:31.334
EGOI_100213GSEP9593.E2	13-FEB-2010	05:14:22.968
EGOI_100213KSEP3939.E2	13-FEB-2010	07:12:55.199
EGOI_100213KSEP3962.E2	13-FEB-2010	08:52:54.319

EGOI_100213KSEP3990.E2	13-FEB-2010	10:32:33.926
EGOI_100213KSEP4020.E2	13-FEB-2010	12:11:58.538
EGOI_100213KSEP4036.E2	13-FEB-2010	13:50:57.646
EGOI_100213KSEP4051.E2	13-FEB-2010	15:29:22.254
EGOI_100213KSEP4072.E2	13-FEB-2010	17:06:49.854
EGOI_100213KSEP4105.E2	13-FEB-2010	18:44:51.959
EGOI_100213KSEP4140.E2	13-FEB-2010	20:23:55.571
EGOI_100213KSEP4170.E2	13-FEB-2010	22:05:29.198
EGOI_100213MAEP8903.E2	13-FEB-2010	09:00:15.362
EGOI_100213MAEP8914.E2	13-FEB-2010	10:40:03.973
EGOI_100213MIEP3172.E2	13-FEB-2010	01:51:47.223
EGOI_100213MIEP3197.E2	13-FEB-2010	03:26:49.306
EGOI_100213MIEP3217.E2	13-FEB-2010	05:09:58.941
EGOI_100213MIEP3235.E2	13-FEB-2010	15:46:56.860
EGOI_100213MIEP3259.E2	13-FEB-2010	17:27:55.988
EGOI_100213MMEP3712.E2	13-FEB-2010	01:11:13.971
EGOI_100213MMEP3720.E2	13-FEB-2010	02:53:40.103
EGOI_100213MMEP3727.E2	13-FEB-2010	04:36:22.737
EGOI_100213MMEP3735.E2	13-FEB-2010	06:18:33.860
EGOI_100213MMEP3746.E2	13-FEB-2010	11:20:34.220
EGOI_100213MMEP3758.E2	13-FEB-2010	19:38:28.293
EGOI_100213MMEP3766.E2	13-FEB-2010	21:18:01.904
EGOI_100213MMEP3774.E2	13-FEB-2010	22:57:59.516
EGOI_100213MSEP4780.E2	13-FEB-2010	00:06:01.576
EGOI_100213MSEP4791.E2	13-FEB-2010	10:47:07.017
EGOI_100213MSEP4822.E2	13-FEB-2010	10:47:07.017
EGOI_100213MSEP4850.E2	13-FEB-2010	12:25:19.624
EGOI_100213MSEP4879.E2	13-FEB-2010	21:56:12.639
EGOI_100213MSEP4910.E2	13-FEB-2010	23:34:13.243
EGOI_100213SGEP3657.E2	13-FEB-2010	02:39:37.013
EGOI_100213SGEP3664.E2	13-FEB-2010	04:20:21.135
EGOI_100213SGEP3670.E2	13-FEB-2010	15:04:20.605
EGOI_100213SGEP3677.E2	13-FEB-2010	16:45:42.225

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77472	13-FEB-2010	07:11:16.174	07:12:55.198	99.024000
KS	77473	13-FEB-2010	08:50:45.600	08:52:54.319	128.71900
KS	77474	13-FEB-2010	10:30:22.937	10:32:33.926	130.98900
KS	77475	13-FEB-2010	12:09:48.276	12:11:58.537	130.26100
KS	77476	13-FEB-2010	13:48:43.191	13:50:57.646	134.45500
KS	77477	13-FEB-2010	15:26:52.611	15:29:22.254	149.64300

KS	77478	13-FEB-2010	17:04:34.641	17:06:49.854	135.21300
KS	77479	13-FEB-2010	18:42:44.051	18:44:51.958	127.90700
KS	77480	13-FEB-2010	20:22:13.380	20:23:55.570	102.19000
KS	77481	13-FEB-2010	22:03:42.047	22:05:29.198	107.15100
KS	77482	13-FEB-2010	23:48:06.103	23:49:19.337	73.234000
GS	77469	13-FEB-2010	01:51:06.168	01:52:38.227	92.059000
GS	77470	13-FEB-2010	03:29:57.218	03:31:31.333	94.115000
MS	77468	13-FEB-2010	00:04:07.178	00:06:01.576	114.39800
MS	77474	13-FEB-2010	10:44:06.300	10:47:07.017	180.71700
MS	77474	13-FEB-2010	10:44:06.300	10:47:07.017	180.71700
MS	77475	13-FEB-2010	12:23:00.976	12:25:19.624	138.64800
MS	77481	13-FEB-2010	21:54:32.069	21:56:12.638	100.56900
MS	77482	13-FEB-2010	23:32:05.796	23:34:13.243	127.44700
MA	77474	13-FEB-2010	10:38:24.001	10:40:03.972	99.971000
MI	77469	13-FEB-2010	01:50:00.769	01:51:47.223	106.45400
MI	77470	13-FEB-2010	03:24:45.762	03:26:49.305	123.54300
MI	77471	13-FEB-2010	05:08:10.370	05:09:58.941	108.57100
MI	77477	13-FEB-2010	15:44:57.453	15:46:56.860	119.40700
MI	77478	13-FEB-2010	17:25:57.650	17:27:55.987	118.33700
MM	77468	13-FEB-2010	01:10:07.274	01:11:13.970	66.696000
MM	77474	13-FEB-2010	11:19:27.355	11:20:34.219	66.864000
MM	77479	13-FEB-2010	19:36:42.586	19:38:28.292	105.70600
MM	77480	13-FEB-2010	21:16:17.710	21:18:01.903	104.19300
MM	77481	13-FEB-2010	22:56:39.111	22:57:59.515	80.404000
BE	77469	13-FEB-2010	02:16:33.578	02:18:50.387	136.80900
BE	77470	13-FEB-2010	03:55:58.946	03:58:31.498	152.55200
SG	77469	13-FEB-2010	02:28:42.790	02:39:37.012	654.22200
SG	77476	13-FEB-2010	15:02:19.958	15:04:20.604	120.64600
SG	77477	13-FEB-2010	16:43:27.276	16:45:42.224	134.94800
CM	77470	13-FEB-2010	03:24:25.502	03:25:44.798	79.296000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77468	13-FEB-2010	00:58:16.113	01:11:47.917	811.80400
KS	77468	13-FEB-2010	00:22:22.251	00:24:51.689	149.43800

MM	77472	13-FEB-2010	07:58:57.476	08:07:22.304	504.82800
JO	77472	13-FEB-2010	07:36:25.379	07:50:43.345	857.96600
MM	77473	13-FEB-2010	09:39:20.383	09:49:57.117	636.73400
JO	77473	13-FEB-2010	09:16:19.944	09:29:29.168	789.22400
MM	77475	13-FEB-2010	12:59:20.865	13:12:00.548	759.68300
HO	77476	13-FEB-2010	14:48:25.321	14:58:21.871	596.55000
MM	77476	13-FEB-2010	14:38:59.459	14:51:41.691	762.23200
GS	77476	13-FEB-2010	14:01:36.447	14:09:31.192	474.74500
SG	77476	13-FEB-2010	15:02:19.958	15:15:51.286	811.32800
BE	77477	13-FEB-2010	15:13:27.414	15:25:05.070	697.65600
MM	77477	13-FEB-2010	16:18:21.716	16:30:55.289	753.57300
GS	77477	13-FEB-2010	15:39:02.485	15:52:52.732	830.24700
CM	77477	13-FEB-2010	15:48:12.410	15:59:36.669	684.25900
MM	77478	13-FEB-2010	17:57:31.423	18:10:04.132	752.70900
GS	77478	13-FEB-2010	17:18:55.845	17:30:53.403	717.55800
CM	77478	13-FEB-2010	17:28:03.522	17:37:52.548	589.02600
JO	77479	13-FEB-2010	19:56:31.193	20:10:19.132	827.93900
MA	77480	13-FEB-2010	20:14:47.162	20:28:33.971	826.80900
JO	77480	13-FEB-2010	21:35:43.013	21:49:33.650	830.63700
HO	77481	13-FEB-2010	22:48:03.694	23:01:09.897	786.20300
MA	77481	13-FEB-2010	21:55:51.159	22:07:08.378	677.21900

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

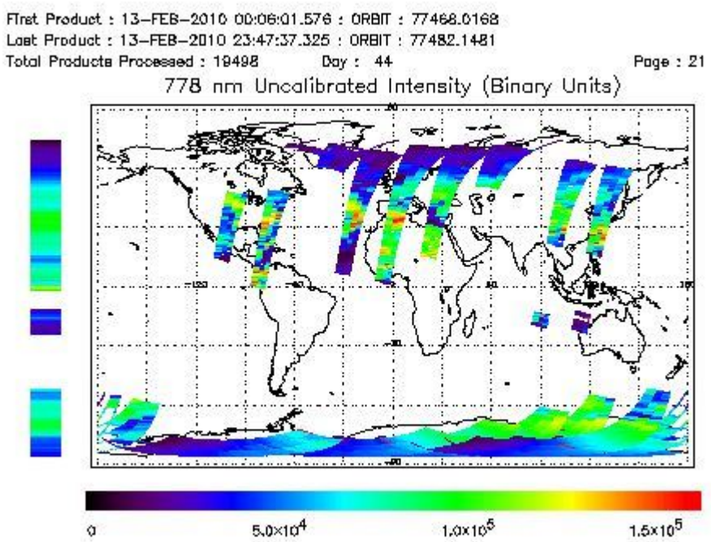
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK

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

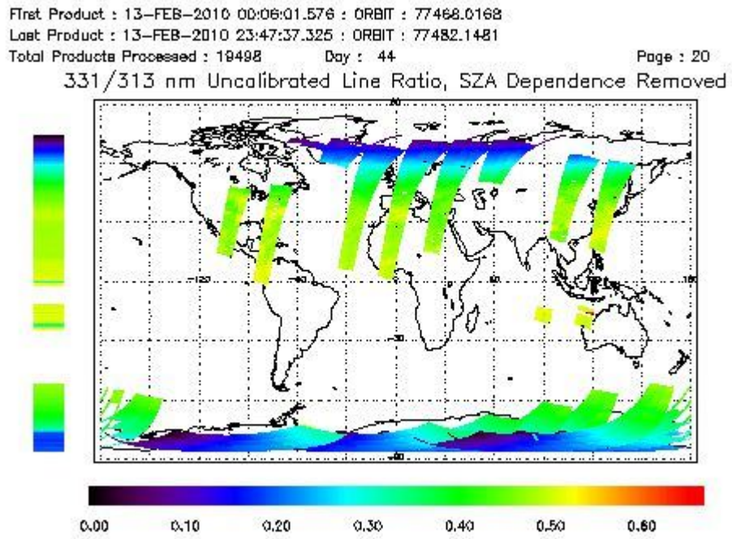
2.2 - Daily Plots

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

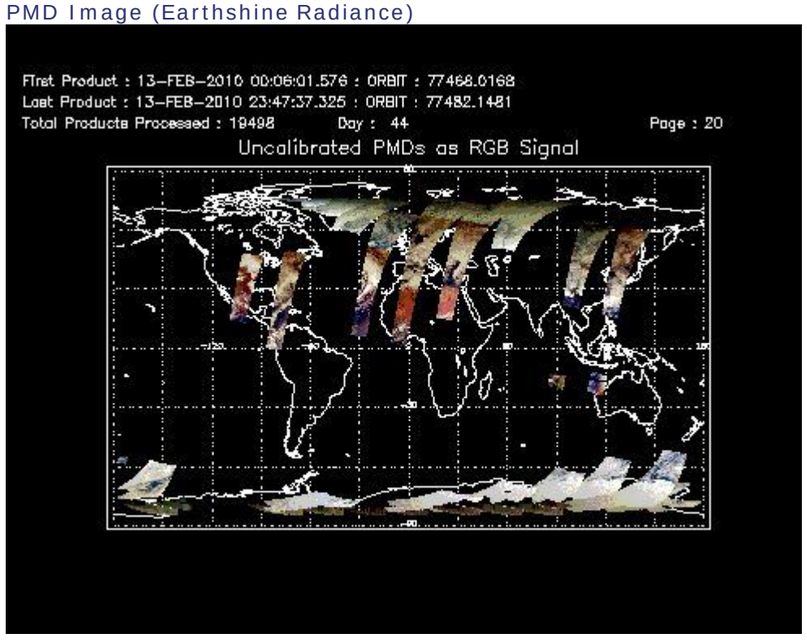
NEAR IR Intensity



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	12:15:43.461	--	77475	Yes	--	15468

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