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	09-APR-2010
Start Time of First Product	23:51:56 (08-Apr)
Stop Time of Last Product	23:29:07
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100409BEEP2408.E2	09-APR-2010	03:29:11.983
EGOI_100409CMEP7484.E2	09-APR-2010	02:59:17.800
EGOI_100409GSEP3672.E2	09-APR-2010	01:24:51.720
EGOI_100409GSEP3704.E2	09-APR-2010	03:02:20.819
EGOI_100409GSEP3732.E2	09-APR-2010	04:45:00.446
EGOI_100409GSEP3738.E2	09-APR-2010	06:26:46.072
EGOI_100409KSEP8980.E2	08-APR-2010	23:51:55.651
EGOI_100409KSEP8992.E2	09-APR-2010	06:44:04.178
EGOI_100409KSEP9011.E2	09-APR-2010	08:24:00.288

EGOI_100409KSEP9031.E2	09-APR-2010	10:03:39.899
EGOI_100409KSEP9051.E2	09-APR-2010	11:43:15.009
EGOI_100409KSEP9067.E2	09-APR-2010	13:22:14.116
EGOI_100409KSEP9078.E2	09-APR-2010	15:00:56.719
EGOI_100409KSEP9105.E2	09-APR-2010	16:38:31.822
EGOI_100409KSEP9134.E2	09-APR-2010	18:16:33.918
EGOI_100409KSEP9164.E2	09-APR-2010	19:55:01.523
EGOI_100409KSEP9185.E2	09-APR-2010	21:35:51.641
EGOI_100409KSEP9202.E2	09-APR-2010	23:18:46.272
EGOI_100409MAEP0817.E2	09-APR-2010	08:32:00.339
EGOI_100409MAEP0833.E2	09-APR-2010	10:11:08.445
EGOI_100409MAEP0850.E2	09-APR-2010	21:27:53.091
EGOI_100409MIEP8885.E2	09-APR-2010	02:58:17.795
EGOI_100409MIEP8911.E2	09-APR-2010	04:38:51.414
EGOI_100409MIEP8965.E2	09-APR-2010	16:58:06.441
EGOI_100409MMEP6129.E2	09-APR-2010	02:23:35.580
EGOI_100409MMEP6136.E2	09-APR-2010	04:06:36.215
EGOI_100409MMEP6145.E2	09-APR-2010	07:30:31.464
EGOI_100409MMEP6153.E2	09-APR-2010	09:11:20.082
EGOI_100409MMEP6161.E2	09-APR-2010	10:51:41.696
EGOI_100409MMEP6167.E2	09-APR-2010	12:31:36.302
EGOI_100409MMEP6177.E2	09-APR-2010	15:50:39.025
EGOI_100409MMEP6185.E2	09-APR-2010	20:48:55.852
EGOI_100409MMEP6192.E2	09-APR-2010	22:29:03.966
EGOI_100409MSEP1342.E2	09-APR-2010	10:18:33.993
EGOI_100409MSEP1371.E2	09-APR-2010	11:56:12.092
EGOI_100409MSEP1390.E2	09-APR-2010	13:38:18.715
EGOI_100409MSEP1423.E2	09-APR-2010	23:05:04.186
EGOI_100409SGEP4742.E2	09-APR-2010	02:04:29.463
EGOI_100409SGEP4748.E2	09-APR-2010	03:40:03.046
EGOI_100409SGEP4755.E2	09-APR-2010	14:37:31.074
EGOI_100409SGEP4762.E2	09-APR-2010	16:15:40.678

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78259	09-APR-2010	06:42:58.311	06:44:04.177	65.866000
KS	78260	09-APR-2010	08:22:18.030	08:24:00.287	102.25700
KS	78261	09-APR-2010	10:01:55.619	10:03:39.899	104.28000
KS	78262	09-APR-2010	11:41:26.129	11:43:15.009	108.88000
KS	78263	09-APR-2010	13:20:31.733	13:22:14.116	102.38300
KS	78264	09-APR-2010	14:59:05.991	15:00:56.718	110.72700
KS	78265	09-APR-2010	16:36:42.910	16:38:31.822	108.91200

KS	78266	09-APR-2010	18:14:35.174	18:16:33.917	118.74300
KS	78267	09-APR-2010	19:53:37.308	19:55:01.523	84.215000
KS	78268	09-APR-2010	21:34:27.933	21:35:51.640	83.707000
GS	78256	09-APR-2010	01:23:40.851	01:24:51.719	70.868000
GS	78257	09-APR-2010	03:01:15.499	03:02:20.818	65.319000
GS	78258	09-APR-2010	04:43:51.988	04:45:00.446	68.458000
MS	78261	09-APR-2010	10:16:43.662	10:18:33.993	110.33100
MS	78262	09-APR-2010	11:54:16.990	11:56:12.092	115.10200
MS	78269	09-APR-2010	23:03:33.966	23:05:04.185	90.219000
MA	78261	09-APR-2010	10:09:59.665	10:11:08.444	68.779000
MA	78268	09-APR-2010	21:26:04.639	21:27:53.090	108.45100
MI	78257	09-APR-2010	02:56:44.515	02:58:17.794	93.279000
MI	78258	09-APR-2010	04:37:18.100	04:38:51.413	93.313000
MI	78265	09-APR-2010	16:56:30.761	16:58:06.441	95.680000
MM	78267	09-APR-2010	20:47:46.691	20:48:55.851	69.160000
MM	78268	09-APR-2010	22:27:52.924	22:29:03.965	71.041000
BE	78257	09-APR-2010	03:27:20.076	03:29:11.982	111.90600
SG	78256	09-APR-2010	02:02:34.380	02:04:29.463	115.08300
SG	78257	09-APR-2010	03:38:16.339	03:40:03.046	106.70700
SG	78263	09-APR-2010	14:34:46.959	14:37:31.073	164.11400
SG	78264	09-APR-2010	16:13:41.972	16:15:40.678	118.70600

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78255	09-APR-2010	00:29:05.334	00:43:42.425	877.09100
MM	78255	09-APR-2010	00:40:56.740	00:51:47.541	650.80100
BE	78256	09-APR-2010	01:48:43.492	01:59:44.550	661.05800
CM	78257	09-APR-2010	02:57:28.450	03:06:19.253	530.80300
CM	78257	09-APR-2010	04:34:57.282	04:46:47.250	709.96800
MM	78258	09-APR-2010	05:49:00.242	05:54:54.243	354.00100
JO	78259	09-APR-2010	07:09:01.083	07:21:47.886	766.80300
JO	78260	09-APR-2010	08:47:08.768	09:01:41.638	872.87000
MA	78262	09-APR-2010	11:51:59.580	11:57:05.331	305.75100
HO	78263	09-APR-2010	14:19:29.910	14:32:10.029	760.11900
MM	78263	09-APR-2010	14:10:32.930	14:23:16.644	763.71400

SG	78263	09-APR-2010	14:34:46.959	14:46:48.148	721.18900
BE	78264	09-APR-2010	14:44:14.022	14:57:07.960	773.93800
MI	78264	09-APR-2010	15:16:58.692	15:29:21.115	742.42300
GS	78264	09-APR-2010	15:10:48.522	15:24:02.932	794.41000
CM	78264	09-APR-2010	15:21:00.821	15:29:54.610	533.78900
MM	78265	09-APR-2010	17:29:12.176	17:41:43.844	751.66800
GS	78265	09-APR-2010	16:50:14.056	17:03:20.169	786.11300
CM	78265	09-APR-2010	16:58:53.589	17:10:37.888	704.29900
MM	78266	09-APR-2010	19:08:20.871	19:20:59.389	758.51800
JO	78266	09-APR-2010	19:29:04.272	19:40:41.283	697.01100
MA	78267	09-APR-2010	19:47:03.238	19:59:41.198	757.96000
JO	78267	09-APR-2010	21:07:00.063	21:21:48.702	888.63900
HO	78268	09-APR-2010	22:20:43.730	22:32:30.251	706.52100
HO	78269	09-APR-2010	23:57:58.438	00:12:29.488	871.05000

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

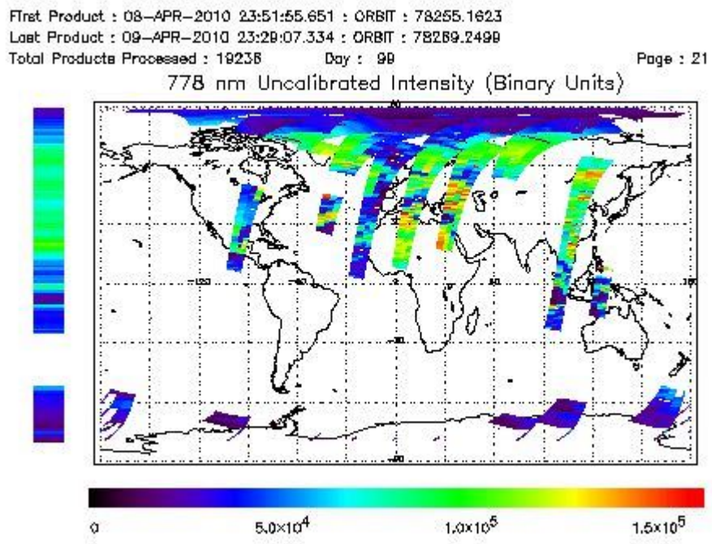
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
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

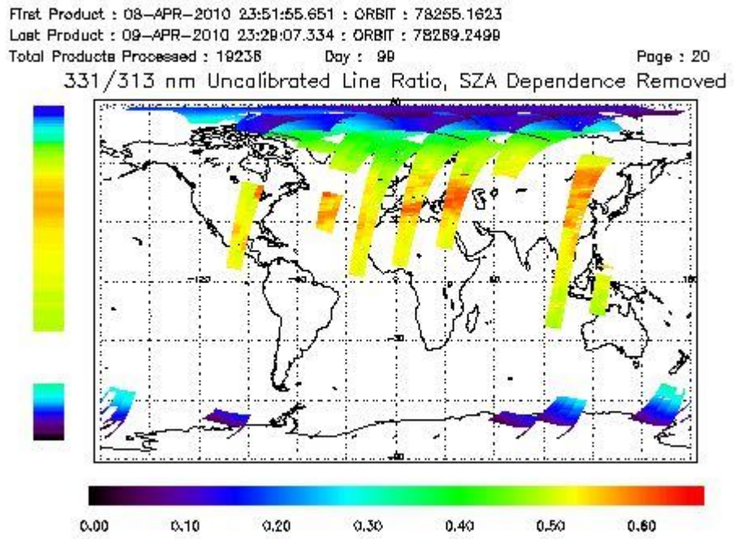
2.2 - Daily Plots

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

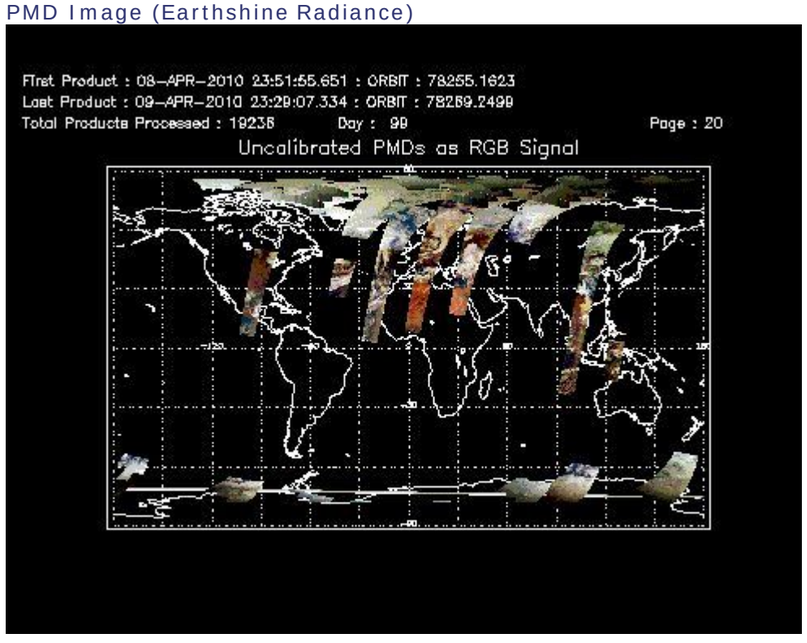
NEAR IR Intensity



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	20:03:18.077	--	78267	Yes	--	15178

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
07:00 10-Mar	--	77830	--

[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