GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-APR-2010
Start Time of First Product	23:50:30 (31-Mar)
Stop Time of Last Product	23:19:52
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100401BEEP2327.E2	01-APR-2010	02:41:02.494
EGOI_100401BEEP2333.E2	01-APR-2010	04:20:58.605
EGOI_100401CMEP7380.E2	01-APR-2010	03:50:01.417
EGOI_100401GSEP3087.E2	01-APR-2010	02:14:30.833
EGOI_100401GSEP3115.E2	01-APR-2010	03:54:37.444
EGOI_100401GSEP3123.E2	01-APR-2010	05:37:09.576
EGOI_100401HLEP5425.E2	31-MAR-2010	23:50:29.956
EGOI_100401HLEP5434.E2	01-APR-2010	11:58:10.401
EGOI_100401HLEP5444.E2	01-APR-2010	21:38:58.958

EGOI_100401HLEP5451.E2	01-APR-2010	23:11:59.526
EGOI_100401KSEP7172.E2	01-APR-2010	12:40:42.167
EGOI_100401KSEP7193.E2	01-APR-2010	14:13:14.228
EGOI_100401KSEP7208.E2	01-APR-2010	15:51:05.827
EGOI_100401KSEP7235.E2	01-APR-2010	17:29:00.426
EGOI_100401KSEP7266.E2	01-APR-2010	19:06:50.529
EGOI_100401KSEP7296.E2	01-APR-2010	20:46:30.133
EGOI_100401KSEP7321.E2	01-APR-2010	22:28:32.260
EGOI_100401MAEP0543.E2	01-APR-2010	09:23:10.954
EGOI_100401MAEP0555.E2	01-APR-2010	11:02:37.060
EGOI_100401MAEP0574.E2	01-APR-2010	22:20:39.717
EGOI_100401MIEP8020.E2	01-APR-2010	02:12:09.818
EGOI_100401MIEP8043.E2	01-APR-2010	03:49:58.417
EGOI_100401MIEP8062.E2	01-APR-2010	14:32:32.349
EGOI_100401MIEP8090.E2	01-APR-2010	16:09:13.437
EGOI_100401MIEP8110.E2	01-APR-2010	17:51:59.071
EGOI_100401MSEP0378.E2	01-APR-2010	00:29:18.191
EGOI_100401MSEP0401.E2	01-APR-2010	11:08:11.596
EGOI_100401MSEP0428.E2	01-APR-2010	12:47:57.211
EGOI_100401MSEP0458.E2	01-APR-2010	22:17:29.197
EGOI_100401SGEP4696.E2	01-APR-2010	02:52:19.064

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78148	01-APR-2010	12:32:28.232	12:40:42.166	493.93400
KS	78149	01-APR-2010	14:11:20.851	14:13:14.227	113.37600
KS	78150	01-APR-2010	15:49:13.279	15:51:05.827	112.54800
KS	78151	01-APR-2010	17:27:07.316	17:29:00.425	113.10900
KS	78152	01-APR-2010	19:05:19.881	19:06:50.529	90.648000
KS	78153	01-APR-2010	20:45:13.180	20:46:30.132	76.952000
KS	78154	01-APR-2010	22:27:14.980	22:28:32.259	77.279000
GS	78143	01-APR-2010	03:53:12.549	03:54:37.444	84.895000
MS	78141	01-APR-2010	00:27:59.639	00:29:18.191	78.552000
MS	78147	01-APR-2010	11:06:16.454	11:08:11.596	115.14200
MS	78148	01-APR-2010	12:46:07.457	12:47:57.211	109.75400
MS	78154	01-APR-2010	22:16:13.189	22:17:29.197	76.008000
MS	78155	01-APR-2010	23:55:18.550	23:56:50.799	92.249000
MA	78146	01-APR-2010	09:21:42.943	09:23:10.953	88.010000
MI	78142	01-APR-2010	02:10:33.305	02:12:09.817	96.512000
MI	78143	01-APR-2010	03:47:33.379	03:49:58.416	145.03700

MI	78149	01-APR-2010	14:31:02.332	14:32:32.348	90.016000
MI	78150	01-APR-2010	16:07:36.934	16:09:13.436	96.502000
MI	78151	01-APR-2010	17:50:36.999	17:51:59.070	82.071000
BE	78142	01-APR-2010	02:39:03.684	02:41:02.493	118.80900
BE	78143	01-APR-2010	04:19:03.294	04:20:58.605	115.31100
SG	78142	01-APR-2010	02:50:32.519	02:52:19.063	106.54400

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	78140	31-MAR-2010	23:51:33.079	00:03:09.035	695.95600
HO	78141	01-APR-2010	01:21:35.979	01:34:05.740	749.76100
MM	78141	01-APR-2010	01:33:31.361	01:43:21.534	590.17300
MM	78142	01-APR-2010	03:16:24.297	03:23:53.885	449.58800
CM	78142	01-APR-2010	03:46:34.648	03:58:46.719	732.07100
MM	78143	01-APR-2010	04:59:22.524	05:05:12.270	349.74600
SG	78143	01-APR-2010	04:30:32.870	04:41:41.400	668.53000
MM	78144	01-APR-2010	06:41:10.868	06:47:49.989	399.12100
KS	78144	01-APR-2010	05:55:25.696	05:59:51.164	265.46800
CM	78144	01-APR-2010	05:28:48.353	05:35:21.596	393.24300
JO	78144	01-APR-2010	06:24:28.246	06:31:10.046	401.80000
MM	78145	01-APR-2010	08:21:56.032	08:30:53.622	537.59000
KS	78145	01-APR-2010	07:33:58.189	07:45:13.554	675.36500
JO	78145	01-APR-2010	07:58:43.929	08:13:37.788	893.85900
MM	78146	01-APR-2010	10:02:14.598	10:13:15.638	661.04000
KS	78146	01-APR-2010	09:13:32.029	09:27:11.267	819.23800
JO	78146	01-APR-2010	09:40:13.467	09:51:17.564	664.09700
MM	78147	01-APR-2010	11:42:18.511	11:54:33.822	735.31100
KS	78147	01-APR-2010	10:53:08.113	11:07:01.612	833.49900
MM	78148	01-APR-2010	13:22:08.793	13:34:51.309	762.51600
BE	78149	01-APR-2010	13:55:39.819	14:09:01.522	801.70300
HO	78149	01-APR-2010	15:11:46.178	15:20:07.174	500.99600
MM	78149	01-APR-2010	15:01:43.700	15:14:24.078	760.37800
GS	78149	01-APR-2010	14:23:23.082	14:33:54.857	631.77500
SG	78149	01-APR-2010	15:24:48.381	15:38:41.502	833.12100
BE	78150	01-APR-2010	15:37:19.776	15:47:07.321	587.54500

MM	78150	01-APR-2010	16:41:02.417	16:53:34.713	752.29600
GS	78150	01-APR-2010	16:01:44.305	16:15:39.975	835.67000
CM	78150	01-APR-2010	16:10:29.862	16:22:45.379	735.51700
MM	78151	01-APR-2010	18:20:10.841	18:32:45.035	754.19400
GS	78151	01-APR-2010	17:42:00.278	17:52:38.448	638.17000
CM	78151	01-APR-2010	17:52:06.470	17:58:48.458	401.98800
MM	78152	01-APR-2010	19:59:25.344	20:12:08.148	762.80400
MA	78152	01-APR-2010	19:03:23.959	19:08:50.709	326.75000
JO	78152	01-APR-2010	20:18:50.943	20:33:32.234	881.29100
MM	78153	01-APR-2010	21:39:09.257	21:51:47.739	758.48200
MA	78153	01-APR-2010	20:37:14.899	20:50:54.837	819.93800
JO	78153	01-APR-2010	21:58:56.322	22:11:21.165	744.84300
HO	78154	01-APR-2010	23:10:12.850	23:24:04.418	831.56800
MM	78154	01-APR-2010	23:19:43.724	23:31:42.271	718.54700

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

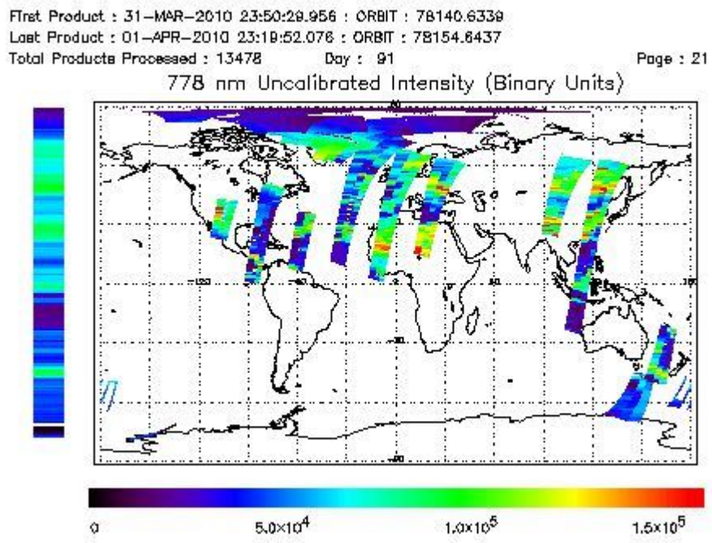
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

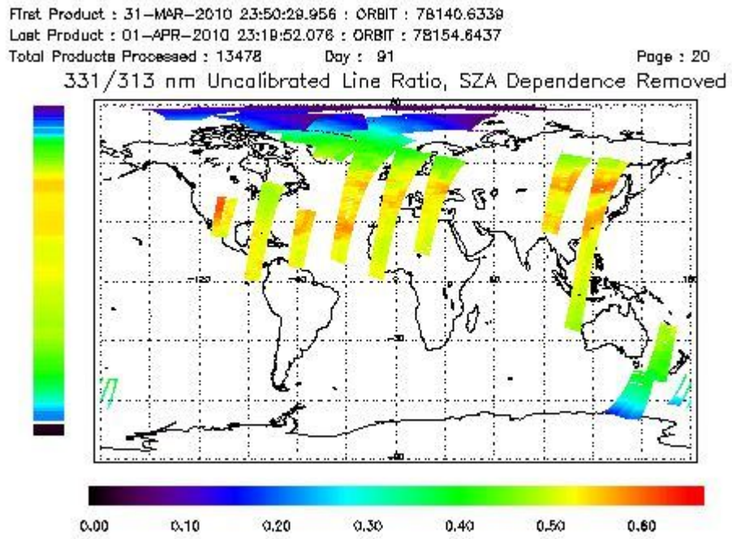
2.2 - Daily Plots

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

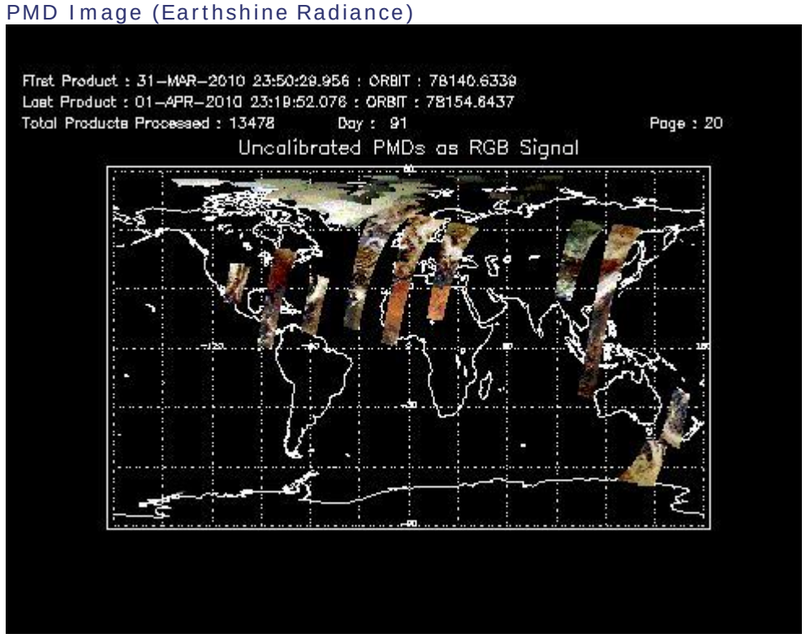
NEAR IR Intensity



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	17:34:46.961	--	78151	Yes	--	15251

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	--	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