GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-APR-2010
Start Time of First Product	00:21:11
Stop Time of Last Product	23:09:10
Number of EGOI Products analysed	41
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100416BEEP2454.E2	16-APR-2010	03:09:03.138
EGOI_100416BEEP2460.E2	16-APR-2010	04:49:54.755
EGOI_100416CMEP7539.E2	16-APR-2010	16:42:05.122
EGOI_100416GSEP4222.E2	16-APR-2010	01:05:35.380
EGOI_100416GSEP4254.E2	16-APR-2010	02:42:29.974
EGOI_100416GSEP4283.E2	16-APR-2010	04:23:54.595
EGOI_100416GSEP4290.E2	16-APR-2010	06:06:04.226
EGOI_100416KSEP0767.E2	16-APR-2010	06:24:07.337
EGOI_100416KSEP0783.E2	16-APR-2010	08:04:00.448

EGOI_100416KSEP0804.E2	16-APR-2010	09:43:38.558
EGOI_100416KSEP0826.E2	16-APR-2010	11:23:16.669
EGOI_100416KSEP0855.E2	16-APR-2010	13:02:24.775
EGOI_100416KSEP0866.E2	16-APR-2010	14:41:11.887
EGOI_100416KSEP0888.E2	16-APR-2010	16:18:52.982
EGOI_100416KSEP0917.E2	16-APR-2010	17:56:59.580
EGOI_100416KSEP0949.E2	16-APR-2010	19:34:55.679
EGOI_100416KSEP0980.E2	16-APR-2010	21:15:15.793
EGOI_100416KSEP1006.E2	16-APR-2010	22:57:55.424
EGOI_100416MAEP1105.E2	16-APR-2010	08:12:16.999
EGOI_100416MAEP1117.E2	16-APR-2010	09:51:05.605
EGOI_100416MAEP1139.E2	16-APR-2010	21:07:41.247
EGOI_100416MIEP9605.E2	16-APR-2010	02:38:59.950
EGOI_100416MIEP9634.E2	16-APR-2010	04:18:05.059
EGOI_100416MIEP9660.E2	16-APR-2010	14:59:13.492
EGOI_100416MIEP9690.E2	16-APR-2010	16:37:48.595
EGOI_100416MMEP6609.E2	16-APR-2010	00:21:11.106
EGOI_100416MMEP6617.E2	16-APR-2010	02:03:01.235
EGOI_100416MMEP6626.E2	16-APR-2010	10:31:32.855
EGOI_100416MMEP6635.E2	16-APR-2010	12:11:43.967
EGOI_100416MMEP6647.E2	16-APR-2010	17:10:44.299
EGOI_100416MMEP6652.E2	16-APR-2010	18:49:59.904
EGOI_100416MMEP6660.E2	16-APR-2010	20:29:03.511
EGOI_100416MSEP2132.E2	16-APR-2010	00:59:50.345
EGOI_100416MSEP2145.E2	16-APR-2010	09:59:32.656
EGOI_100416MSEP2170.E2	16-APR-2010	11:36:16.748
EGOI_100416MSEP2193.E2	16-APR-2010	13:17:15.871
EGOI_100416MSEP2226.E2	16-APR-2010	22:45:14.850
EGOI_100416SGEP4919.E2	16-APR-2010	03:19:45.204
EGOI_100416SGEP4925.E2	16-APR-2010	05:02:00.829
EGOI_100416SGEP4931.E2	16-APR-2010	14:16:53.734
EGOI_100416SGEP4938.E2	16-APR-2010	15:55:13.836

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78360	16-APR-2010	08:02:23.344	08:04:00.448	97.104000
KS	78361	16-APR-2010	09:42:00.122	09:43:38.557	98.435000
KS	78362	16-APR-2010	11:21:33.406	11:23:16.668	103.26200
KS	78363	16-APR-2010	13:00:45.565	13:02:24.775	99.210000
KS	78364	16-APR-2010	14:39:28.864	14:41:11.886	103.02200
KS	78365	16-APR-2010	16:17:09.059	16:18:52.982	103.92300
KS	78366	16-APR-2010	17:55:00.886	17:56:59.580	118.69400

KS	78367	16-APR-2010	19:33:41.382	19:34:55.678	74.296000
KS	78368	16-APR-2010	21:14:07.335	21:15:15.792	68.457000
KS	78369	16-APR-2010	22:56:54.810	22:57:55.423	60.613000
GS	78357	16-APR-2010	02:41:23.555	02:42:29.973	66.418000
GS	78358	16-APR-2010	04:22:44.876	04:23:54.594	69.718000
MS	78362	16-APR-2010	11:34:30.473	11:36:16.747	106.27400
MS	78363	16-APR-2010	13:15:33.702	13:17:15.870	102.16800
MS	78369	16-APR-2010	22:43:53.333	22:45:14.850	81.517000
MA	78361	16-APR-2010	09:50:02.640	09:51:05.604	62.964000
MA	78368	16-APR-2010	21:05:56.359	21:07:41.246	104.88700
MI	78357	16-APR-2010	02:37:27.825	02:38:59.949	92.124000
MI	78358	16-APR-2010	04:16:33.629	04:18:05.059	91.430000
MI	78364	16-APR-2010	14:57:42.111	14:59:13.492	91.381000
MI	78365	16-APR-2010	16:36:14.693	16:37:48.594	93.901000
MM	78365	16-APR-2010	17:09:22.503	17:10:44.298	81.795000
MM	78366	16-APR-2010	18:48:30.537	18:49:59.904	89.367000
MM	78367	16-APR-2010	20:27:50.994	20:29:03.511	72.517000
BE	78357	16-APR-2010	03:07:23.468	03:09:03.137	99.669000
BE	78358	16-APR-2010	04:48:11.050	04:49:54.754	103.70400
SG	78357	16-APR-2010	03:18:25.975	03:19:45.204	79.229000
SG	78357	16-APR-2010	03:26:58.746	03:32:16.170	317.42400
SG	78364	16-APR-2010	15:53:22.093	15:55:13.835	111.74200
CM	78365	16-APR-2010	16:38:48.404	16:42:05.122	196.71800

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78355	16-APR-2010	00:09:13.584	00:23:50.791	877.20700
HO	78356	16-APR-2010	01:52:05.857	02:01:33.979	568.12200
MM	78357	16-APR-2010	03:45:52.486	03:52:43.878	411.39200
CM	78357	16-APR-2010	02:39:34.343	02:44:54.385	320.04200
CM	78357	16-APR-2010	04:14:49.444	04:27:11.013	741.56900
MM	78358	16-APR-2010	05:28:36.725	05:34:23.868	347.14300
MM	78359	16-APR-2010	07:10:02.383	07:17:18.002	435.61900
JO	78359	16-APR-2010	06:50:14.624	07:01:17.081	662.45700
MM	78360	16-APR-2010	08:50:37.465	09:00:14.389	576.92400

JO	78360	16-APR-2010	08:27:02.650	08:42:00.520	897.87000
MA	78362	16-APR-2010	11:31:18.527	11:39:02.708	464.18100
MM	78363	16-APR-2010	13:50:37.568	14:03:21.469	763.90100
SG	78363	16-APR-2010	14:16:00.871	14:25:59.436	598.56500
BE	78364	16-APR-2010	14:24:04.913	14:37:23.843	798.93000
MM	78364	16-APR-2010	15:30:07.764	15:42:45.472	757.70800
GS	78364	16-APR-2010	14:51:10.064	15:03:36.334	746.27000
CM	78364	16-APR-2010	15:03:02.022	15:08:00.326	298.30400
GS	78365	16-APR-2010	16:30:13.414	16:43:49.817	816.40300
GS	78366	16-APR-2010	18:11:04.960	18:19:22.030	497.07000
JO	78366	16-APR-2010	19:10:25.447	19:19:16.977	531.53000
MA	78367	16-APR-2010	19:27:53.330	19:39:19.129	685.79900
JO	78367	16-APR-2010	20:47:04.315	21:02:05.896	901.58100
HO	78368	16-APR-2010	22:01:54.495	22:12:13.830	619.33500
MM	78368	16-APR-2010	22:07:47.477	22:20:19.041	751.56400
JO	78368	16-APR-2010	22:28:28.286	22:37:51.570	563.28400
HO	78369	16-APR-2010	23:38:11.694	23:52:34.854	863.16000

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

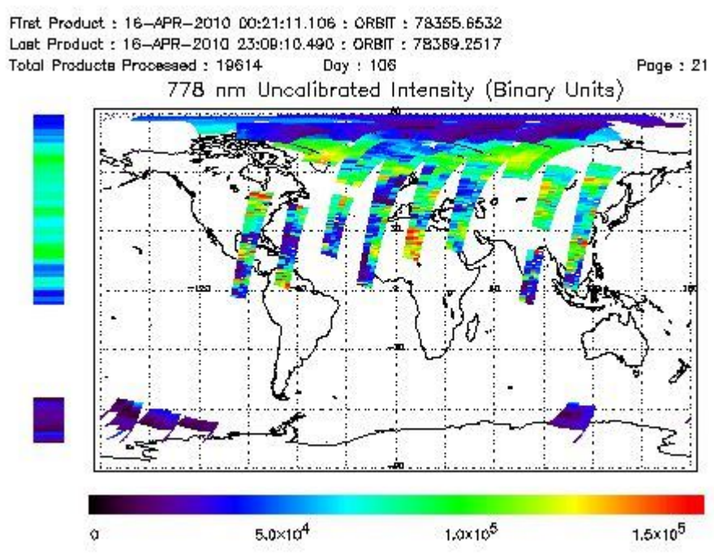
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

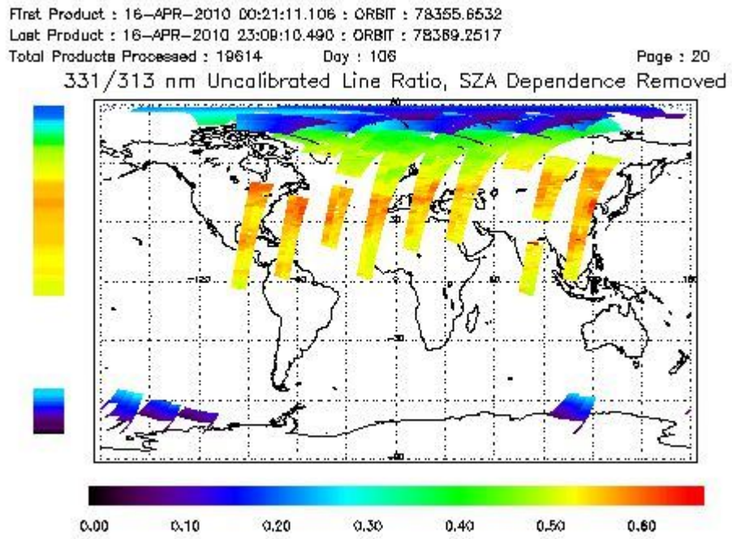
2.2 - Daily Plots

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

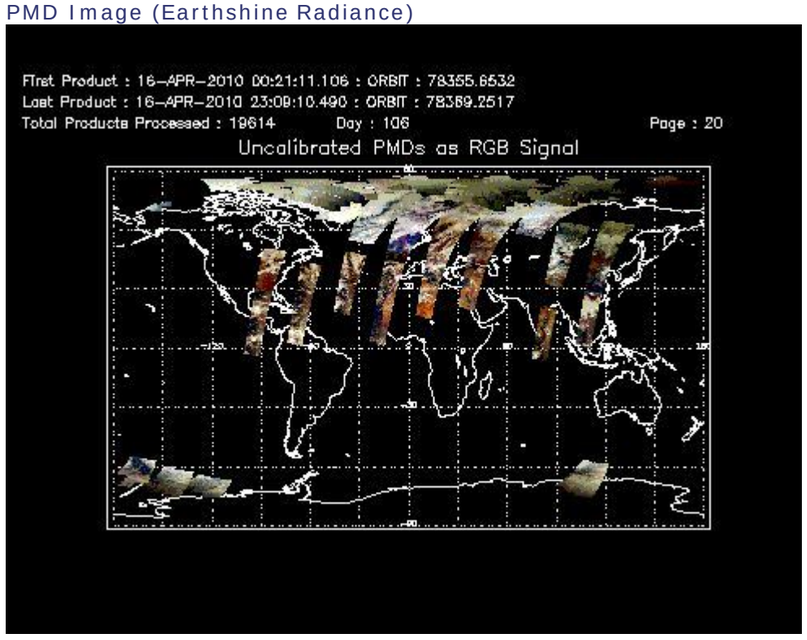
NEAR IR Intensity



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	19:42:22.726	--	78367	Yes	--	15076

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