GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-MAR-2010
Start Time of First Product	00:20:39
Stop Time of Last Product	23:25:19
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	North Polar View Timeline, start orbit 77826 (first visible: 77830)

1.2 - List of received products

Name	Date	Time
EGOI_100310BEEP2102.E2	10-MAR-2010	02:32:41.139
EGOI_100310BEEP2108.E2	10-MAR-2010	04:12:50.754
EGOI_100310CMEP6975.E2	10-MAR-2010	03:39:44.555
EGOI_100310CMEP6983.E2	10-MAR-2010	16:14:10.180
EGOI_100310GSEP1417.E2	10-MAR-2010	02:06:19.979
EGOI_100310GSEP1444.E2	10-MAR-2010	03:45:55.094
EGOI_100310GSEP1454.E2	10-MAR-2010	05:28:37.722
EGOI_100310HLEP5236.E2	10-MAR-2010	01:14:45.162
EGOI_100310HLEP5246.E2	10-MAR-2010	23:03:53.201

EGOI_100310KSEP1105.E2	10-MAR-2010	07:26:59.451
EGOI_100310KSEP1129.E2	10-MAR-2010	09:06:58.562
EGOI_100310KSEP1155.E2	10-MAR-2010	10:46:36.669
EGOI_100310KSEP1182.E2	10-MAR-2010	12:25:58.280
EGOI_100310KSEP1199.E2	10-MAR-2010	14:04:55.892
EGOI_100310KSEP1228.E2	10-MAR-2010	15:42:59.496
EGOI_100310KSEP1260.E2	10-MAR-2010	17:20:45.091
EGOI_100310KSEP1296.E2	10-MAR-2010	18:58:36.691
EGOI_100310KSEP1331.E2	10-MAR-2010	20:38:02.803
EGOI_100310KSEP1362.E2	10-MAR-2010	22:19:55.925
EGOI_100310MAEP9692.E2	10-MAR-2010	09:14:24.105
EGOI_100310MAEP9702.E2	10-MAR-2010	10:54:11.220
EGOI_100310MIEP5628.E2	10-MAR-2010	02:04:27.467
EGOI_100310MIEP5651.E2	10-MAR-2010	03:40:49.062
EGOI_100310MIEP5671.E2	10-MAR-2010	14:25:08.013
EGOI_100310MIEP5686.E2	10-MAR-2010	16:00:59.602
EGOI_100310MIEP5706.E2	10-MAR-2010	17:42:52.725
EGOI_100310MMEP5323.E2	10-MAR-2010	08:14:13.240
EGOI_100310MMEP5330.E2	10-MAR-2010	09:54:57.351
EGOI_100310MMEP5336.E2	10-MAR-2010	11:34:59.471
EGOI_100310MMEP5347.E2	10-MAR-2010	14:54:12.694
EGOI_100310MMEP5353.E2	10-MAR-2010	16:33:59.801
EGOI_100310MMEP5360.E2	10-MAR-2010	18:14:04.916
EGOI_100310MMEP5368.E2	10-MAR-2010	21:32:37.636
EGOI_100310MMEP5376.E2	10-MAR-2010	23:12:15.752
EGOI_100310MSEP7760.E2	10-MAR-2010	00:20:38.836
EGOI_100310MSEP7784.E2	10-MAR-2010	10:59:53.255
EGOI_100310MSEP7811.E2	10-MAR-2010	12:39:22.367
EGOI_100310MSEP7842.E2	10-MAR-2010	22:09:25.863
EGOI_100310SGEP4184.E2	10-MAR-2010	17:01:19.474

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77830	10-MAR-2010	07:25:27.157	07:26:59.451	92.294000
KS	77831	10-MAR-2010	09:04:59.599	09:06:58.561	118.96200
KS	77832	10-MAR-2010	10:44:36.257	10:46:36.668	120.41100
KS	77833	10-MAR-2010	12:23:58.450	12:25:58.279	119.82900
KS	77834	10-MAR-2010	14:02:51.921	14:04:55.892	123.97100
KS	77835	10-MAR-2010	15:40:50.684	15:42:59.496	128.81200
KS	77836	10-MAR-2010	17:18:41.012	17:20:45.090	124.07800
KS	77837	10-MAR-2010	18:56:50.916	18:58:36.690	105.77400

KS	77838	10-MAR-2010	20:36:35.000	20:38:02.802	87.802000
KS	77839	10-MAR-2010	22:18:24.063	22:19:55.925	91.862000
GS	77827	10-MAR-2010	02:04:57.404	02:06:19.978	82.574000
GS	77828	10-MAR-2010	03:44:27.246	03:45:55.093	87.847000
MS	77826	10-MAR-2010	00:18:57.895	00:20:38.836	100.94100
MS	77832	10-MAR-2010	10:57:45.879	10:59:53.254	127.37500
MS	77833	10-MAR-2010	12:37:22.159	12:39:22.366	120.20700
MS	77839	10-MAR-2010	22:08:02.039	22:09:25.862	83.823000
MS	77840	10-MAR-2010	23:46:33.575	23:48:23.475	109.90000
MA	77832	10-MAR-2010	10:52:48.329	10:54:11.219	82.890000
MI	77827	10-MAR-2010	02:02:41.703	02:04:27.466	105.76300
MI	77828	10-MAR-2010	03:38:58.145	03:40:49.061	110.91600
MI	77834	10-MAR-2010	14:23:33.683	14:25:08.013	94.330000
MI	77835	10-MAR-2010	15:59:05.585	16:00:59.601	114.01600
MI	77836	10-MAR-2010	17:41:07.338	17:42:52.724	105.38600
MM	77831	10-MAR-2010	09:53:39.356	09:54:57.351	77.995000
MM	77832	10-MAR-2010	11:33:44.409	11:34:59.471	75.062000
MM	77834	10-MAR-2010	14:53:12.213	14:54:12.693	60.480000
MM	77835	10-MAR-2010	16:32:32.230	16:33:59.801	87.571000
MM	77836	10-MAR-2010	18:11:41.039	18:14:04.915	143.87600
MM	77838	10-MAR-2010	21:30:34.625	21:32:37.635	123.01000
MM	77839	10-MAR-2010	23:11:04.104	23:12:15.752	71.648000
BE	77827	10-MAR-2010	02:30:36.244	02:32:41.138	124.89400
BE	77828	10-MAR-2010	04:10:23.042	04:12:50.754	147.71200
SG	77835	10-MAR-2010	16:58:57.585	17:01:19.473	141.88800
CM	77827	10-MAR-2010	03:38:13.232	03:39:44.555	91.323000
CM	77827	10-MAR-2010	03:45:52.093	03:50:10.138	258.04500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77826	10-MAR-2010	01:12:47.823	01:25:45.764	777.94100
MM	77826	10-MAR-2010	01:24:44.460	01:34:45.562	601.10200
MM	77827	10-MAR-2010	03:07:33.914	03:15:15.617	461.70300
SG	77827	10-MAR-2010	02:42:17.749	02:54:46.451	748.70200
CM	77827	10-MAR-2010	03:38:13.232	03:50:10.138	716.90600

MM	77828	10-MAR-2010	04:50:34.910	04:56:28.250	353.34000
SG	77828	10-MAR-2010	04:21:40.695	04:33:35.559	714.86400
MM	77829	10-MAR-2010	06:32:30.466	06:38:59.873	389.40700
CM	77829	10-MAR-2010	05:19:28.211	05:27:36.149	487.93800
JO	77830	10-MAR-2010	07:50:19.781	08:05:03.670	883.88900
JO	77831	10-MAR-2010	09:31:11.499	09:43:10.587	719.08800
MM	77833	10-MAR-2010	13:13:35.910	13:26:17.561	761.65100
HO	77834	10-MAR-2010	15:03:00.414	15:11:56.322	535.90800
GS	77834	10-MAR-2010	14:15:08.985	14:24:51.346	582.36100
SG	77834	10-MAR-2010	15:16:20.328	15:30:09.959	829.63100
BE	77835	10-MAR-2010	15:28:18.719	15:38:54.297	635.57800
GS	77835	10-MAR-2010	15:53:13.016	16:07:08.896	835.88000
SG	77835	10-MAR-2010	16:58:57.585	17:05:41.352	403.76700
GS	77836	10-MAR-2010	17:33:20.233	17:44:31.055	670.82200
CM	77836	10-MAR-2010	17:42:57.963	17:51:05.911	487.94800
MM	77837	10-MAR-2010	19:50:54.145	20:03:36.379	762.23400
MA	77837	10-MAR-2010	18:55:53.080	19:00:17.538	264.45800
JO	77837	10-MAR-2010	20:10:26.761	20:24:52.331	865.57000
MA	77838	10-MAR-2010	20:28:47.808	20:42:32.302	824.49400
JO	77838	10-MAR-2010	21:50:11.971	22:03:13.770	781.79900
HO	77839	10-MAR-2010	23:01:58.889	23:15:29.545	810.65600
MA	77839	10-MAR-2010	22:11:22.162	22:20:55.031	572.86900

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1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

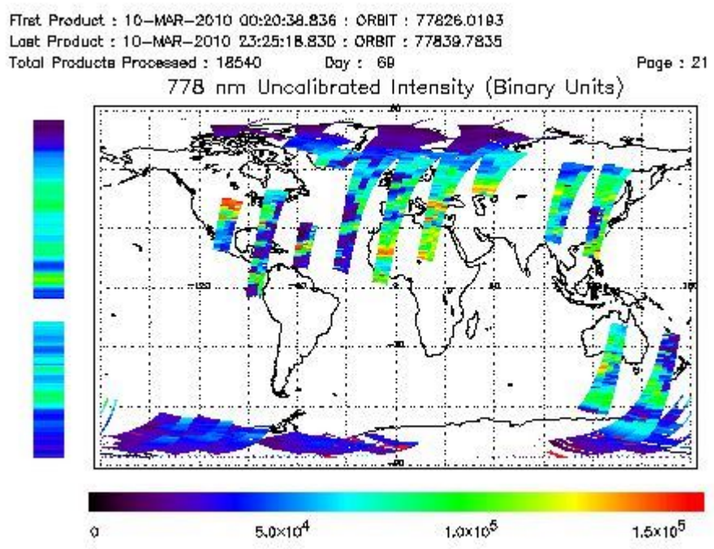
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK

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

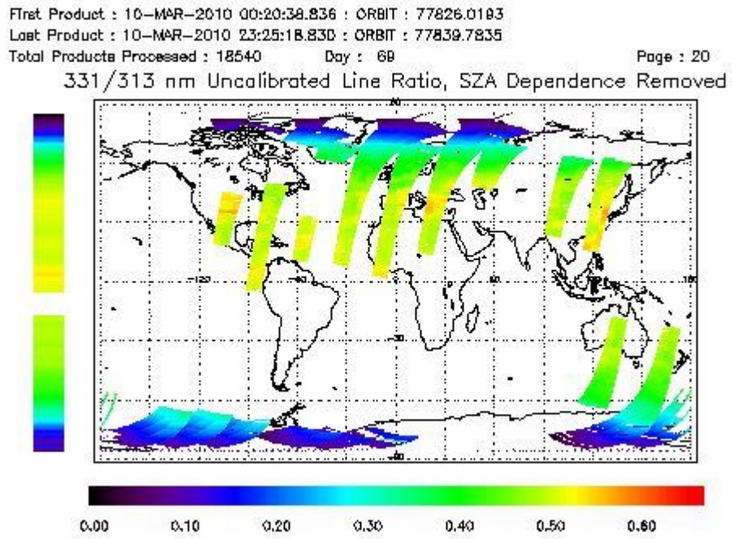
2.2 - Daily Plots

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

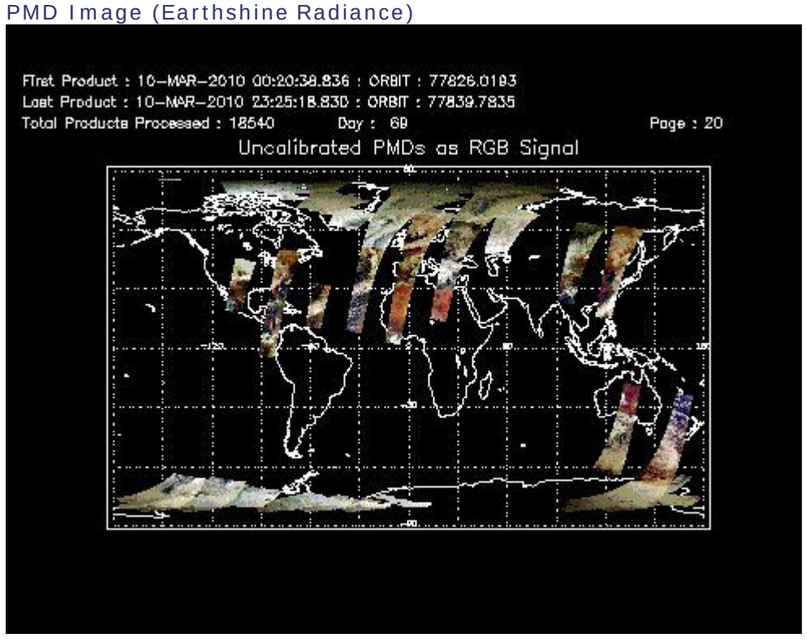
NEAR IR Intensity



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	15:48:13.023	--	77835	Yes	--	15482

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)
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(1)

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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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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
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5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
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5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
07:00 10-Mar	--	77830	--

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(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