GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-APR-2010
Start Time of First Product	00:50:13
Stop Time of Last Product	22:59:57
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Quarterly calibration continued from previous day, orbits: 78542-78545; 5 Lamp Failures and Lamp Calibration instabilities observed; no solar calibration measurements available due to missing data

1.2 - List of received products

Name	Date	Time
EGOI_100429BEEP2577.E2	29-APR-2010	03:00:21.315
EGOI_100429BEEP2583.E2	29-APR-2010	04:41:29.436
EGOI_100429CMEP7697.E2	29-APR-2010	04:10:54.752
EGOI_100429GSEP5223.E2	29-APR-2010	00:57:17.569
EGOI_100429GSEP5255.E2	29-APR-2010	02:33:51.155
EGOI_100429GSEP5285.E2	29-APR-2010	04:14:48.780
EGOI_100429GSEP5292.E2	29-APR-2010	05:57:16.409
EGOI_100429KSEP4010.E2	29-APR-2010	06:15:30.014
EGOI_100429KSEP4029.E2	29-APR-2010	11:22:43.906
EGOI_100429KSEP4050.E2	29-APR-2010	12:53:47.469
EGOI_100429KSEP4059.E2	29-APR-2010	14:32:37.576
EGOI_100429KSEP4085.E2	29-APR-2010	16:10:20.174
EGOI_100429KSEP4163.E2	29-APR-2010	21:06:27.995
EGOI_100429KSEP4187.E2	29-APR-2010	22:49:01.621
EGOI_100429MAEP1686.E2	29-APR-2010	09:42:37.295
EGOI_100429MAEP1703.E2	29-APR-2010	20:58:53.446
EGOI_100429MIEP0978.E2	29-APR-2010	02:30:39.135
EGOI_100429MIEP1001.E2	29-APR-2010	04:09:53.249
EGOI_100429MIEP1023.E2	29-APR-2010	14:50:51.190
EGOI_100429MMEP7469.E2	29-APR-2010	01:54:23.917
EGOI_100429MMEP7473.E2	29-APR-2010	05:19:35.670
EGOI_100429MMEP7483.E2	29-APR-2010	07:01:22.805
EGOI_100429MMEP7499.E2	29-APR-2010	22:00:34.324
EGOI_100429MSEP3637.E2	29-APR-2010	00:50:13.026
EGOI_100429MSEP3650.E2	29-APR-2010	11:37:00.495
EGOI_100429MSEP3673.E2	29-APR-2010	13:08:19.059
EGOI_100429MSEP3706.E2	29-APR-2010	22:36:45.047
EGOI_100429SGEP5235.E2	29-APR-2010	03:11:37.885
EGOI_100429SGEP5242.E2	29-APR-2010	04:52:41.506
EGOI_100429SGEP5248.E2	29-APR-2010	14:09:20.932
EGOI_100429SGEP5254.E2	29-APR-2010	15:46:27.526

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78548	29-APR-2010	11:13:01.977	11:22:43.906	581.92900
KS	78549	29-APR-2010	12:52:16.695	12:53:47.469	90.774000
KS	78550	29-APR-2010	14:31:02.846	14:32:37.575	94.729000
KS	78551	29-APR-2010	16:08:45.499	16:10:20.173	94.674000
KS	78554	29-APR-2010	21:05:25.943	21:06:27.994	62.051000
KS	78555	29-APR-2010	22:47:59.132	22:49:01.620	62.488000
MS	78548	29-APR-2010	11:25:59.019	11:37:00.495	661.47600

MS	78549	29-APR-2010	13:06:41.918	13:08:19.059	97.141000
MS	78555	29-APR-2010	22:35:31.866	22:36:45.046	73.180000
MA	78547	29-APR-2010	09:41:31.402	09:42:37.294	65.892000
MA	78554	29-APR-2010	20:57:07.789	20:58:53.446	105.65700
MI	78543	29-APR-2010	02:29:18.077	02:30:39.134	81.057000
MI	78544	29-APR-2010	04:07:47.545	04:09:53.249	125.70400
MI	78544	29-APR-2010	04:18:00.795	04:20:19.373	138.57800
MI	78550	29-APR-2010	14:49:33.392	14:50:51.189	77.797000
MM	78554	29-APR-2010	21:59:11.549	22:00:34.324	82.775000
BE	78543	29-APR-2010	02:58:52.289	03:00:21.314	89.025000
BE	78544	29-APR-2010	04:39:23.982	04:41:29.436	125.45400
SG	78543	29-APR-2010	03:10:00.413	03:11:37.884	97.471000
SG	78543	29-APR-2010	03:22:13.947	03:23:42.062	88.115000
SG	78544	29-APR-2010	04:51:40.430	04:52:41.505	61.075000
SG	78549	29-APR-2010	14:08:11.227	14:09:20.931	69.704000
SG	78550	29-APR-2010	15:44:44.652	15:46:27.526	102.87400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78541	29-APR-2010	00:00:48.430	00:15:19.937	871.50700
MM	78541	29-APR-2010	00:11:51.516	00:23:10.383	678.86700
HO	78542	29-APR-2010	01:42:37.567	01:53:25.086	647.51900
MM	78543	29-APR-2010	03:37:02.057	03:44:04.447	422.39000
CM	78543	29-APR-2010	02:32:56.754	02:34:43.223	106.46900
JO	78545	29-APR-2010	06:42:20.449	06:52:23.395	602.94600
MM	78546	29-APR-2010	08:42:01.218	08:51:26.598	565.38000
KS	78546	29-APR-2010	07:53:51.571	08:05:49.416	717.84500
MA	78546	29-APR-2010	08:03:53.044	08:13:12.132	559.08800
JO	78546	29-APR-2010	08:18:30.101	08:33:31.505	901.40400
MM	78547	29-APR-2010	10:22:16.438	10:33:36.536	680.09800
KS	78547	29-APR-2010	09:33:27.710	09:47:18.271	830.56100
JO	78547	29-APR-2010	10:01:51.196	10:09:44.164	472.96800
HO	78548	29-APR-2010	12:11:28.339	12:25:18.453	830.11400
MM	78548	29-APR-2010	12:02:17.700	12:14:41.808	744.10800
MA	78548	29-APR-2010	11:22:31.644	11:30:54.686	503.04200

HO	78549	29-APR-2010	13:50:40.343	14:04:56.818	856.47500
MM	78549	29-APR-2010	13:42:05.071	13:54:48.780	763.70900
SG	78549	29-APR-2010	14:08:11.227	14:16:52.183	520.95600
BE	78550	29-APR-2010	14:15:30.738	14:28:54.373	803.63500
MM	78550	29-APR-2010	15:21:36.686	15:34:15.210	758.52400
GS	78550	29-APR-2010	14:42:47.501	14:53:37.857	650.35600
BE	78551	29-APR-2010	15:58:50.567	16:05:54.784	424.21700
MM	78551	29-APR-2010	17:00:52.556	17:13:24.228	751.67200
MI	78551	29-APR-2010	16:27:37.157	16:40:33.535	776.37800
GS	78551	29-APR-2010	16:21:39.928	16:35:25.070	825.14200
CM	78551	29-APR-2010	16:30:16.006	16:42:40.699	744.69300
MM	78552	29-APR-2010	18:40:00.552	18:52:36.399	755.84700
KS	78552	29-APR-2010	17:46:40.725	17:59:43.470	782.74500
GS	78552	29-APR-2010	18:02:19.247	18:11:24.872	545.62500
JO	78552	29-APR-2010	19:02:44.844	19:09:46.160	421.31600
MM	78553	29-APR-2010	20:19:19.012	20:32:02.760	763.74800
MA	78553	29-APR-2010	19:21:42.939	19:30:34.786	531.84700
KS	78553	29-APR-2010	19:25:10.102	19:39:08.780	838.67800
JO	78553	29-APR-2010	20:38:34.396	20:53:34.795	900.39900
HO	78554	29-APR-2010	21:54:05.965	22:03:28.730	562.76500
JO	78554	29-APR-2010	22:19:31.594	22:30:01.275	629.68100
HO	78555	29-APR-2010	23:29:43.053	23:44:02.552	859.49900
MA	78555	29-APR-2010	22:42:26.298	22:47:40.662	314.36400

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

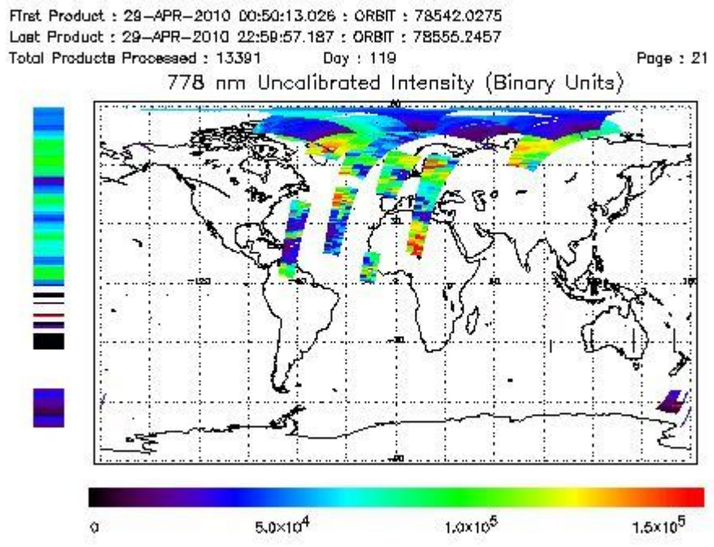
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK

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

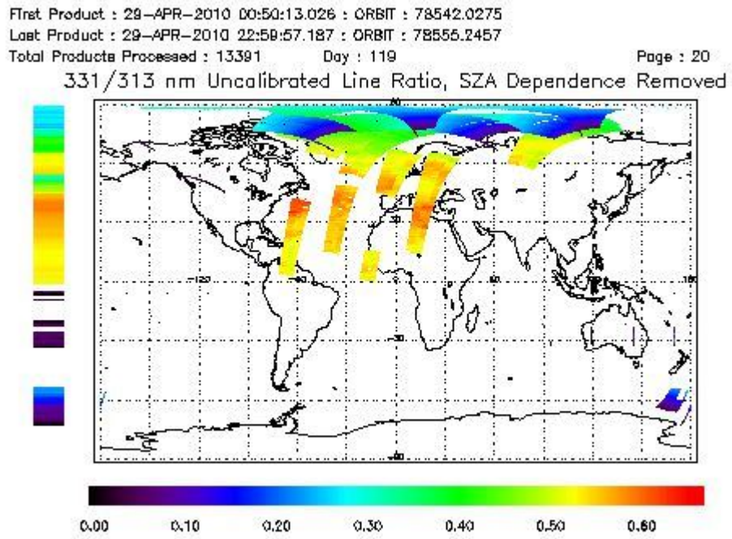
2.2 - Daily Plots

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

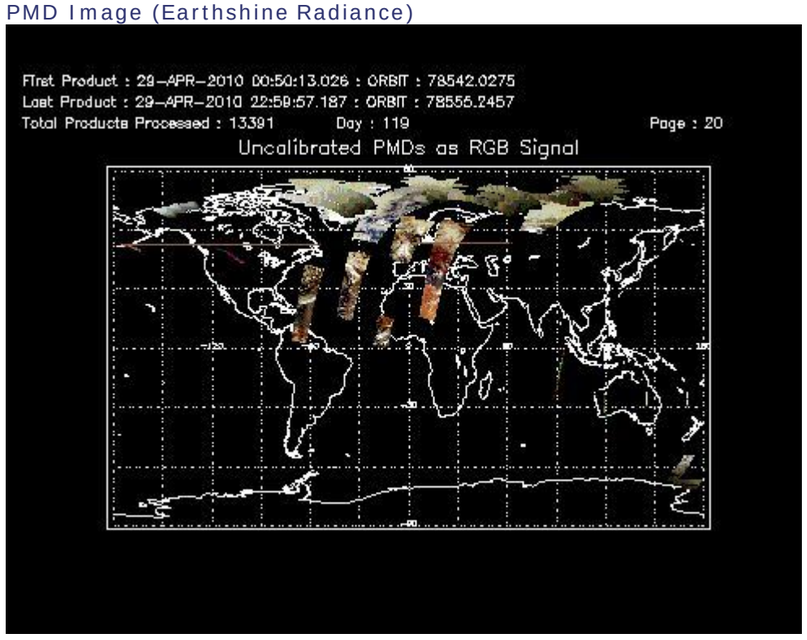
NEAR IR Intensity



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)
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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)
Q	00:50:13	00:55:54	78542	No Start	--	ca 180 - 197	--
Q	01:08:07	01:08:16	78542	No End	--	ca 200	--

Q	01:54:24	02:01:03	78542	No Start	--	ca 175	--
Q	02:30:39	02:36:29	78543	No Start	--	ca 179	--
Q	03:13:44	03:14:00	78543	No Start	--	--	263
Q	04:09:53	04:17:04	78544	No Start	--	--	264
Q	04:54:34	05:01:30	78544	No End	--	--	265
Q	05:19:36	05:22:15	78544	No Start	--	--	266
Q	05:57:16	05:57:40	78545	No Start	--	--	267

(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
--	--	--

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