GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-MAY-2011
Start Time of First Product	00:23:46
Stop Time of Last Product	23:18:20
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110503CMEP6189.E2	03-MAY-2011	03:41:57.590
EGOI_110503CMEP6195.E2	03-MAY-2011	05:23:05.707
EGOI_110503CMEP6203.E2	03-MAY-2011	16:04:54.639
EGOI_110503CMEP6213.E2	03-MAY-2011	17:45:22.263
EGOI_110503GSEP1280.E2	03-MAY-2011	00:34:00.941
EGOI_110503GSEP1303.E2	03-MAY-2011	02:09:27.019
EGOI_110503GSEP1327.E2	03-MAY-2011	03:48:44.129
EGOI_110503GSEP1336.E2	03-MAY-2011	05:31:17.757
EGOI_110503HLEP0114.E2	03-MAY-2011	11:56:12.622

EGOI_110503HLEP0123.E2	03-MAY-2011	23:05:03.219
EGOI_110503KSEP8504.E2	03-MAY-2011	07:29:30.479
EGOI_110503KSEP8533.E2	03-MAY-2011	09:09:19.093
EGOI_110503KSEP8555.E2	03-MAY-2011	10:48:54.207
EGOI_110503KSEP8581.E2	03-MAY-2011	12:28:03.809
EGOI_110503KSEP8598.E2	03-MAY-2011	14:06:56.916
EGOI_110503KSEP8620.E2	03-MAY-2011	15:44:39.522
EGOI_110503KSEP8632.E2	03-MAY-2011	17:22:29.617
EGOI_110503KSEP8661.E2	03-MAY-2011	19:00:42.220
EGOI_110503KSEP8670.E2	03-MAY-2011	20:39:45.826
EGOI_110503KSEP8688.E2	03-MAY-2011	22:21:13.448
EGOI_110503MAEP6534.E2	03-MAY-2011	10:56:03.245
EGOI_110503MAEP6550.E2	03-MAY-2011	20:32:29.285
EGOI_110503MAEP6566.E2	03-MAY-2011	22:13:25.400
EGOI_110503MIEP0816.E2	03-MAY-2011	02:06:40.506
EGOI_110503MIEP0835.E2	03-MAY-2011	03:43:38.101
EGOI_110503MIEP0853.E2	03-MAY-2011	14:26:19.537
EGOI_110503MIEP0879.E2	03-MAY-2011	16:02:33.624
EGOI_110503MIEP0901.E2	03-MAY-2011	17:44:04.255
EGOI_110503MSEP6253.E2	03-MAY-2011	00:23:45.874
EGOI_110503MSEP6280.E2	03-MAY-2011	11:02:06.286
EGOI_110503MSEP6307.E2	03-MAY-2011	12:41:32.393
EGOI_110503MSEP6331.E2	03-MAY-2011	22:11:01.385

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83823	03-MAY-2011	00:03:36.683	00:18:10.307	873.62400
MM	83823	03-MAY-2011	00:14:45.797	00:26:02.050	676.25300
HO	83824	03-MAY-2011	01:45:47.492	01:56:09.934	622.44200
MM	83824	03-MAY-2011	01:56:58.468	02:06:18.136	559.66800
BE	83825	03-MAY-2011	03:01:42.570	03:15:07.690	805.12000
MM	83825	03-MAY-2011	03:39:58.876	03:46:57.547	418.67100
SG	83825	03-MAY-2011	03:12:48.619	03:26:33.746	825.12700
BE	83826	03-MAY-2011	04:42:19.351	04:51:45.912	566.56100
MM	83826	03-MAY-2011	05:22:46.473	05:28:32.957	346.48400
MI	83826	03-MAY-2011	04:10:42.491	04:23:06.073	743.58200

SG	83826	03-MAY-2011	04:54:46.132	05:02:40.348	474.21600
MM	83827	03-MAY-2011	07:04:16.432	07:11:24.347	427.91500
KS	83827	03-MAY-2011	06:17:38.838	06:24:18.402	399.56400
JO	83827	03-MAY-2011	06:44:57.805	06:55:21.827	624.02200
MM	83828	03-MAY-2011	08:44:53.318	08:54:22.574	569.25600
MA	83828	03-MAY-2011	08:06:33.526	08:16:14.159	580.63300
JO	83828	03-MAY-2011	08:21:20.671	08:36:21.356	900.68500
MM	83829	03-MAY-2011	10:25:08.088	10:36:30.735	682.64700
MA	83829	03-MAY-2011	09:44:21.696	09:58:02.487	820.79100
JO	83829	03-MAY-2011	10:05:02.948	10:12:16.296	433.34800
MM	83830	03-MAY-2011	12:05:08.971	12:17:34.184	745.21300
MM	83831	03-MAY-2011	13:44:55.918	13:57:39.711	763.79300
SG	83831	03-MAY-2011	14:10:46.580	14:19:55.732	549.15200
BE	83832	03-MAY-2011	14:18:21.873	14:31:44.320	802.44700
MM	83832	03-MAY-2011	15:24:27.060	15:37:05.311	758.25100
GS	83832	03-MAY-2011	14:45:34.828	14:56:23.627	648.79900
SG	83832	03-MAY-2011	15:47:36.804	16:01:12.181	815.37700
CM	83832	03-MAY-2011	14:58:35.380	15:01:02.736	147.35600
BE	83833	03-MAY-2011	16:02:00.166	16:08:31.296	391.13000
MM	83833	03-MAY-2011	17:03:42.546	17:16:14.170	751.62400
GS	83833	03-MAY-2011	16:24:31.020	16:38:13.530	822.51000
MM	83834	03-MAY-2011	18:42:50.539	18:55:26.641	756.10200
GS	83834	03-MAY-2011	18:05:14.211	18:14:04.354	530.14300
JO	83834	03-MAY-2011	19:05:16.279	19:12:58.636	462.35700
MM	83835	03-MAY-2011	20:22:09.646	20:34:53.476	763.83000
JO	83835	03-MAY-2011	20:41:24.197	20:56:25.443	901.24600
HO	83836	03-MAY-2011	21:56:39.676	22:06:24.232	584.55600
MM	83836	03-MAY-2011	22		

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

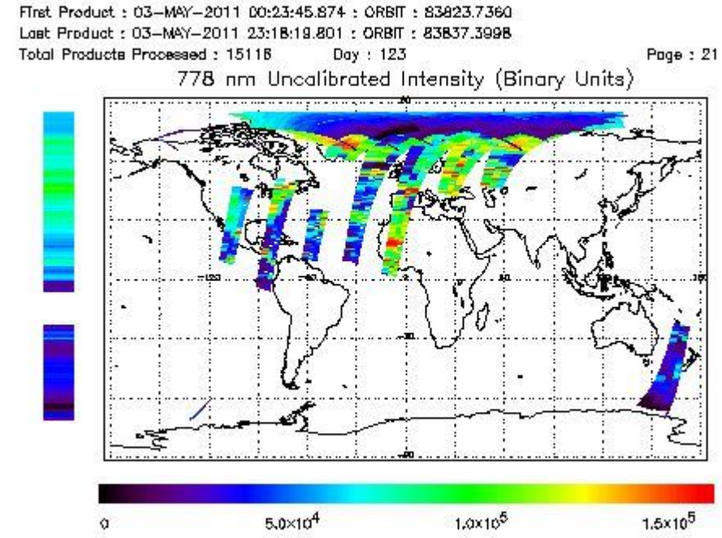
Indicator	Value

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	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

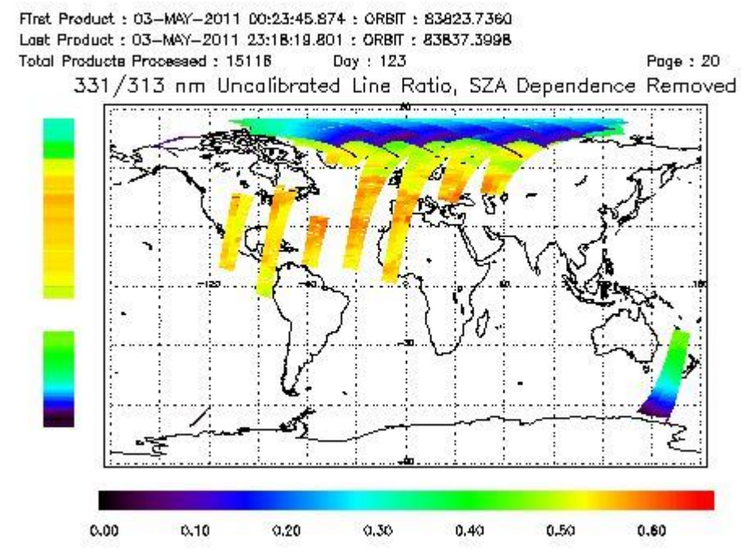
2.2 - Daily Plots

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

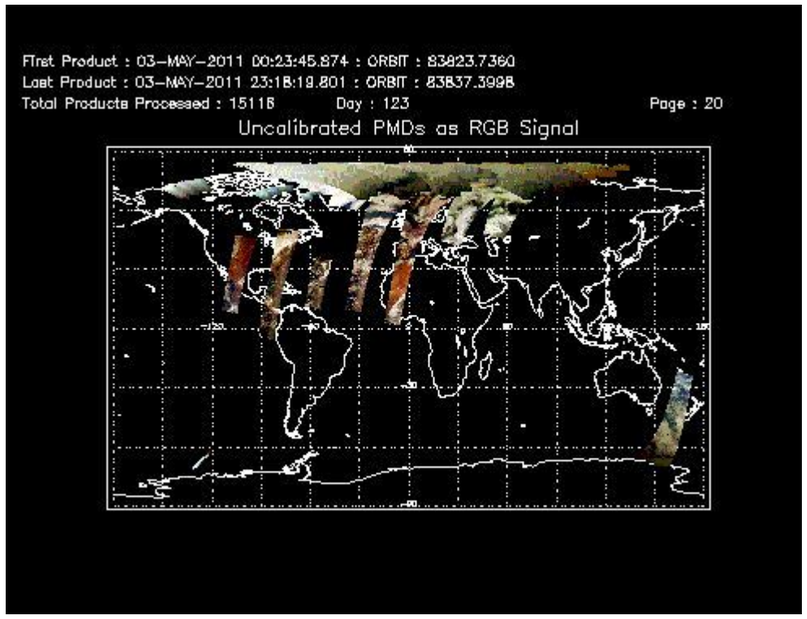
NEAR IR Intensity



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	17:24:55.132	--	83834	Yes	--	14800

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)

[BACK TO MENU]

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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[BACK TO MENU]

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
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[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