GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-APR-2011
Start Time of First Product	00:59:13
Stop Time of Last Product	23:06:51
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_110402CMEP5356.E2	02-APR-2011	02:38:53.289
EGOI_110402CMEP5365.E2	02-APR-2011	04:16:52.387
EGOI_110402CMEP5374.E2	02-APR-2011	15:01:18.835
EGOI_110402CMEP5379.E2	02-APR-2011	16:37:58.428
EGOI_110402GSEP8961.E2	02-APR-2011	01:05:07.715
EGOI_110402GSEP8993.E2	02-APR-2011	02:41:48.805
EGOI_110402GSEP9002.E2	02-APR-2011	04:24:37.437
EGOI_110402GSEP9010.E2	02-APR-2011	06:05:06.551
EGOI_110402KSEP2162.E2	02-APR-2011	06:23:06.656

EGOI_110402KSEP2186.E2	02-APR-2011	08:02:58.272
EGOI_110402KSEP2212.E2	02-APR-2011	09:42:24.378
EGOI_110402KSEP2234.E2	02-APR-2011	11:21:56.493
EGOI_110402KSEP2249.E2	02-APR-2011	13:00:55.596
EGOI_110402KSEP2258.E2	02-APR-2011	14:39:36.698
EGOI_110402KSEP2273.E2	02-APR-2011	16:17:13.301
EGOI_110402KSEP2301.E2	02-APR-2011	17:55:09.397
EGOI_110402KSEP2333.E2	02-APR-2011	19:33:02.496
EGOI_110402KSEP2355.E2	02-APR-2011	21:13:04.607
EGOI_110402KSEP2372.E2	02-APR-2011	22:55:57.737
EGOI_110402MAEP4652.E2	02-APR-2011	08:11:41.820
EGOI_110402MAEP4673.E2	02-APR-2011	09:49:57.428
EGOI_110402MAEP4694.E2	02-APR-2011	21:05:28.561
EGOI_110402MAEP4708.E2	02-APR-2011	22:48:29.196
EGOI_110402MIEP7667.E2	02-APR-2011	02:37:51.781
EGOI_110402MIEP7696.E2	02-APR-2011	04:16:52.387
EGOI_110402MIEP7722.E2	02-APR-2011	14:57:06.808
EGOI_110402MIEP7752.E2	02-APR-2011	16:35:26.911
EGOI_110402MMEP9395.E2	02-APR-2011	10:30:05.171
EGOI_110402MMEP9402.E2	02-APR-2011	12:10:14.787
EGOI_110402MMEP9411.E2	02-APR-2011	15:29:11.499
EGOI_110402MMEP9418.E2	02-APR-2011	17:08:49.612
EGOI_110402MMEP9426.E2	02-APR-2011	18:48:05.222
EGOI_110402MMEP9434.E2	02-APR-2011	20:27:04.324
EGOI_110402MMEP9442.E2	02-APR-2011	22:07:03.440
EGOI_110402MSEP2542.E2	02-APR-2011	00:59:13.680
EGOI_110402MSEP2557.E2	02-APR-2011	09:58:25.981
EGOI_110402MSEP2586.E2	02-APR-2011	11:34:55.068
EGOI_110402MSEP2610.E2	02-APR-2011	13:15:36.189
EGOI_110402MSEP2640.E2	02-APR-2011	22:43:06.663
EGOI_110402SGEP2491.E2	02-APR-2011	05:01:34.656
EGOI_110402SGEP2498.E2	02-APR-2011	14:16:00.558

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	83379	01-APR-2011	23:48:39.234	00:00:17.458	698.22400

HO	83380	02-APR-2011	01:18:39.509	01:31:19.392	759.88300
MM	83380	02-APR-2011	01:30:35.681	01:40:29.530	593.84900
BE	83381	02-APR-2011	02:36:14.398	02:49:24.769	790.37100
MM	83381	02-APR-2011	03:13:27.493	03:21:01.097	453.60400
SG	83381	02-APR-2011	02:47:47.172	03:00:36.551	769.37900
BE	83382	02-APR-2011	04:16:09.712	04:27:29.568	679.85600
MM	83382	02-APR-2011	04:56:26.718	05:02:17.524	350.80600
MM	83383	02-APR-2011	06:38:17.456	06:44:53.262	395.80600
CM	83383	02-APR-2011	05:25:39.733	05:32:48.301	428.56800
JO	83383	02-APR-2011	06:22:01.996	06:28:01.966	359.97000
MM	83384	02-APR-2011	08:19:03.789	08:27:57.329	533.54000
JO	83384	02-APR-2011	07:55:55.597	08:10:46.586	890.98900
MM	83385	02-APR-2011	09:59:22.864	10:10:21.011	658.14700
JO	83385	02-APR-2011	09:37:12.121	09:48:35.835	683.71400
MA	83386	02-APR-2011	10:58:49.006	11:09:17.275	628.26900
HO	83388	02-APR-2011	15:08:50.650	15:17:23.737	513.08700
MM	83388				

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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

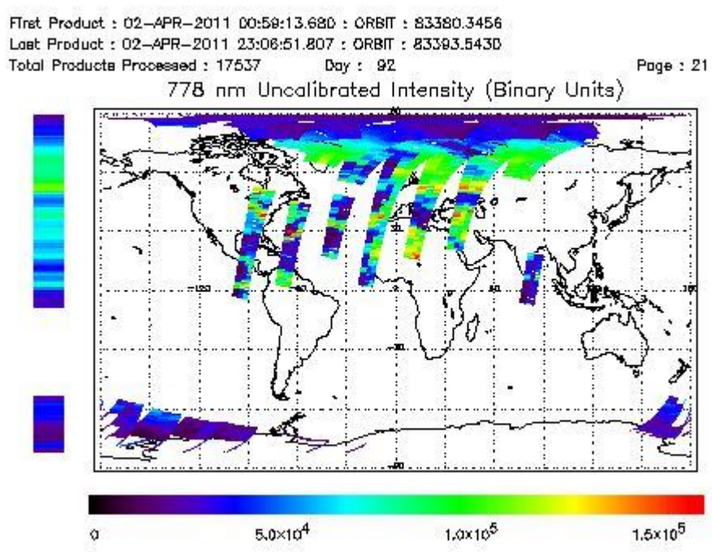
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

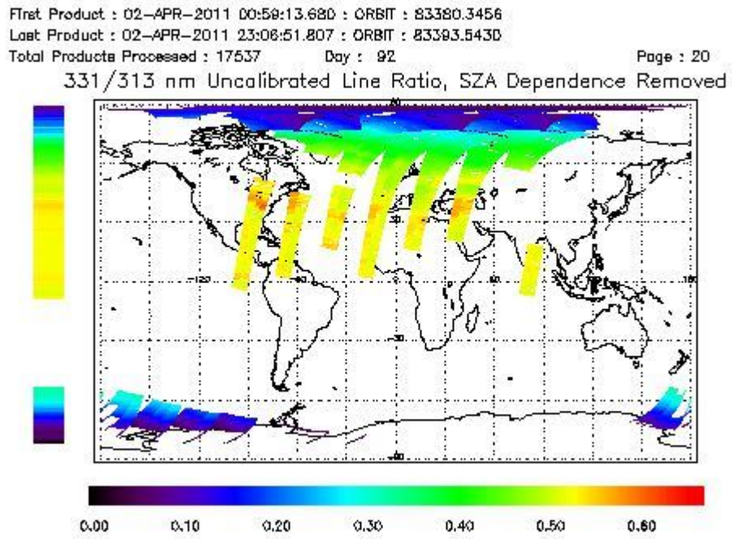
2.2 - Daily Plots

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

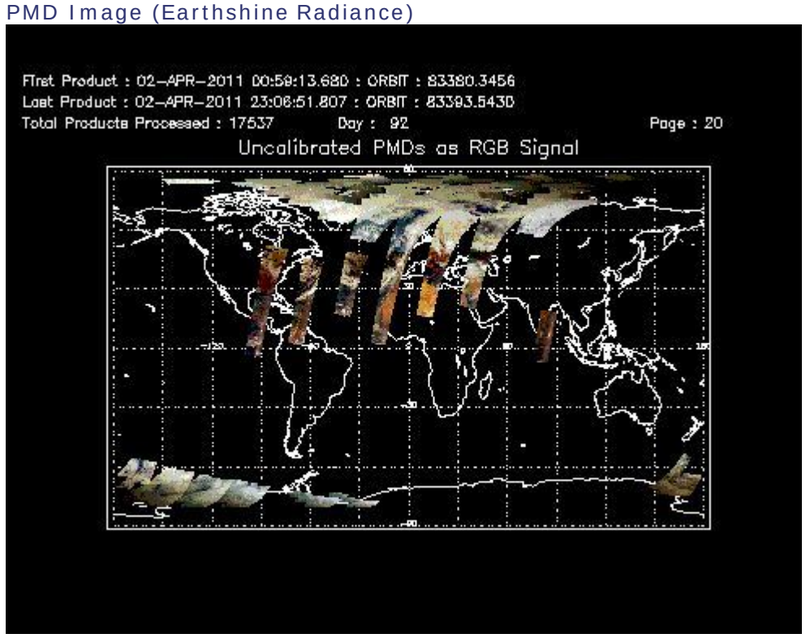
NEAR IR Intensity



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	18:02:07	--	83390	Yes	--	15310

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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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
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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