GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-JUN-2011
Start Time of First Product	00:23:47
Stop Time of Last Product	22:33:51
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to missing data

1.2 - List of received products

Name	Date	Time
EGOI_110602CMEP7052.E2	02-JUN-2011	03:42:01.752
EGOI_110602CMEP7061.E2	02-JUN-2011	05:23:03.869
EGOI_110602CMEP7069.E2	02-JUN-2011	16:04:58.778
EGOI_110602CMEP7080.E2	02-JUN-2011	17:53:41.443
EGOI_110602GSEP3574.E2	02-JUN-2011	00:34:06.606
EGOI_110602GSEP3595.E2	02-JUN-2011	02:09:22.190
EGOI_110602GSEP3622.E2	02-JUN-2011	03:48:49.799
EGOI_110602GSEP3631.E2	02-JUN-2011	05:31:15.921
EGOI_110602KSEP4837.E2	02-JUN-2011	07:29:33.140

EGOI_110602KSEP4866.E2	02-JUN-2011	09:09:23.246
EGOI_110602KSEP4886.E2	02-JUN-2011	10:48:58.359
EGOI_110602KSEP4912.E2	02-JUN-2011	12:28:06.457
EGOI_110602KSEP4927.E2	02-JUN-2011	14:07:01.059
EGOI_110602KSEP4942.E2	02-JUN-2011	15:44:46.661
EGOI_110602KSEP4949.E2	02-JUN-2011	17:32:00.810
EGOI_110602KSEP4978.E2	02-JUN-2011	19:00:13.349
EGOI_110602KSEP4996.E2	02-JUN-2011	20:39:34.959
EGOI_110602KSEP5015.E2	02-JUN-2011	22:21:43.081
EGOI_110602MAEP8481.E2	02-JUN-2011	10:56:29.902
EGOI_110602MAEP8505.E2	02-JUN-2011	20:32:36.411
EGOI_110602MAEP8519.E2	02-JUN-2011	22:14:46.038
EGOI_110602MIEP3957.E2	02-JUN-2011	02:07:08.674
EGOI_110602MIEP3973.E2	02-JUN-2011	03:43:46.764
EGOI_110602MIEP3992.E2	02-JUN-2011	14:26:50.684
EGOI_110602MIEP4019.E2	02-JUN-2011	16:03:24.270
EGOI_110602MIEP4042.E2	02-JUN-2011	17:44:39.888
EGOI_110602MMEP0285.E2	02-JUN-2011	03:11:01.569
EGOI_110602MMEP0298.E2	02-JUN-2011	14:56:13.360
EGOI_110602MMEP0306.E2	02-JUN-2011	18:15:40.075
EGOI_110602MSEP9771.E2	02-JUN-2011	00:23:47.044
EGOI_110602MSEP9796.E2	02-JUN-2011	11:02:11.937
EGOI_110602MSEP9823.E2	02-JUN-2011	12:41:32.039
EGOI_110602MSEP9846.E2	02-JUN-2011	22:11:02.515
EGOI_110602SGEP3597.E2	02-JUN-2011	04:26:02.018
EGOI_110602SGEP3605.E2	02-JUN-2011	17:03:06.634

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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)
HO	84253	02-JUN-2011	01:01:10.969	01:14:35.850	804.88100
MM	84253	02-JUN-2011	01:13:02.613	01:23:17.801	615.18800
KS	84253	02-JUN-2011	00:25:42.628	00:27:23.584	100.95600
BE	84254	02-JUN-2011	02:19:21.778	02:32:03.908	762.13000
SG	84254	02-JUN-2011	02:31:24.675	02:43:00.807	696.13200
BE	84255	02-JUN-2011	03:58:51.494	04:11:03.559	732.06500
MM	84255	02-JUN-2011	04:38:50.572	04:44:50.585	360.01300
MM	84256	02-JUN-2011	06:20:55.814	06:27:13.444	377.63000

MI	84256	02-JUN-2011	05:11:27.400	05:16:34.161	306.76100
MM	84257	02-JUN-2011	08:01:49.876	08:10:18.833	508.95700
JO	84257	02-JUN-2011	07:39:11.658	07:53:35.769	864.11100
MM	84258	02-JUN-2011	09:42:12.204	09:52:52.120	639.91600
MA	84258	02-JUN-2011	09:02:46.158	09:15:14.527	748.36900
JO	84258	02-JUN-2011	09:19:17.255	09:32:14.265	777.01000
MM	84259	02-JUN-2011	11:22:18.789	11:34:23.378	724.58900
MM	84260	02-JUN-2011	13:02:11.900	13:14:52.032	760.13200
HO	84261	02-JUN-2011	14:51:19.939	15:01:02.252	582.31300
GS	84261	02-JUN-2011	14:04:17.490	14:12:37.035	499.54500
SG	84261	02-JUN-2011	15:05:07.371	15:18:43.648	816.27700
BE	84262	02-JUN-2011	15:16:24.770	15:27:51.536	686.76600
MM	84262	02-JUN-2011	16:21:11.841	16:33:45.225	753.38400
GS	84262	02-JUN-2011	15:41:52.423	15:55:44.412	831.98900
SG	84262	02-JUN-2011	16:46:30.211	16:55:31.986	541.77500
GS	84263	02-JUN-2011	17:21:48.514	17:33:37.441	708.92700
MM	84264	02-JUN-2011	19:39:32.859	19:52:14.216	761.35700
MA	84264	02-JUN-2011	18:44:46.008	18:48:51.801	245.79300
JO	84264	02-JUN-2011	19:59:17.787	20:13:14.489	836.70200
MM	84265	02-JUN-2011	21:19:09.017	21:31:50.550	761.53300
JO	84265	02-JUN-2011	21:38:36.362	21:52:18.396	822.03400
HO	84266	02-JUN-2011	22:50:51.279	23:04:01.987	790.70800
MM	84266	02-JUN-2011	22:59:32.009	23:11:42.271	730.26200
KS	84267	02-JUN-2011	23:51:09.331	23:57:28.649	379.31800

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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

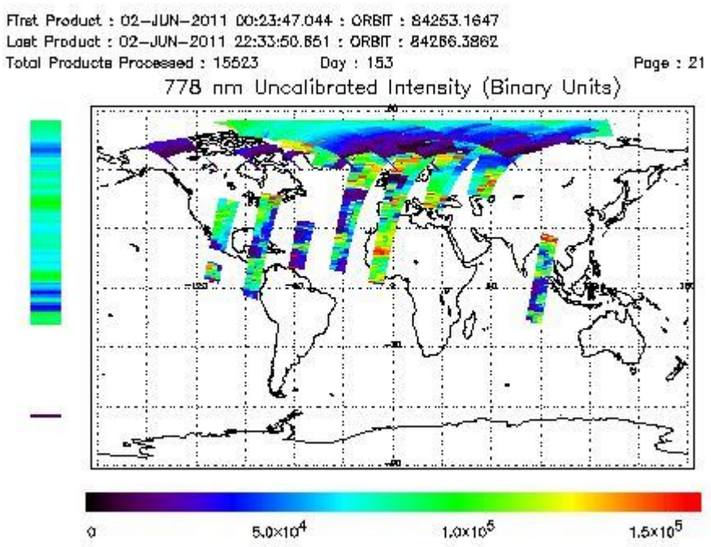
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK

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

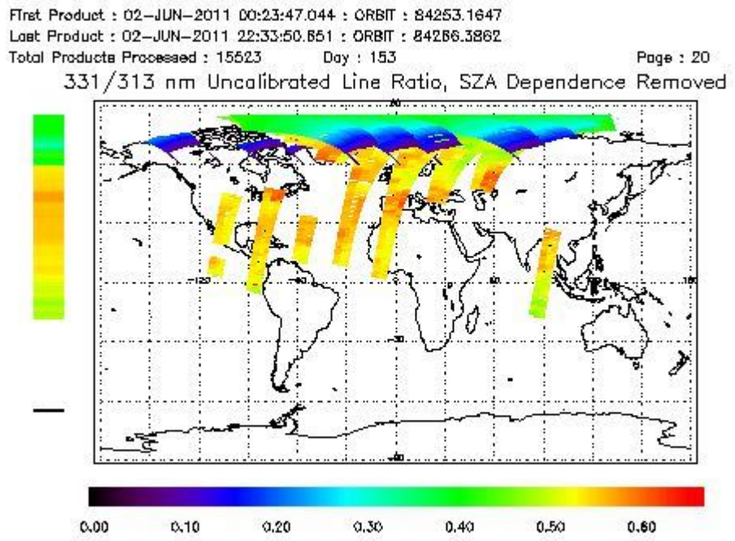
2.2 - Daily Plots

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

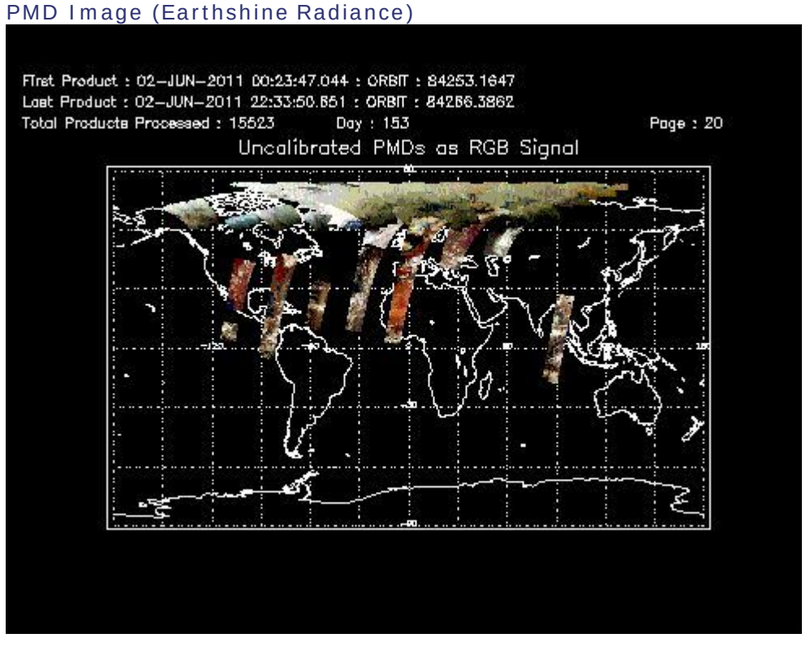
NEAR IR Intensity



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)
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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)
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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