GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-AUG-2010
Start Time of First Product	23:59:59 (27-Aug)
Stop Time of Last Product	23:37:45
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100828GSEP3790.E2	28-AUG-2010	00:55:20.445
EGOI_100828GSEP3820.E2	28-AUG-2010	02:31:42.035
EGOI_100828GSEP3845.E2	28-AUG-2010	04:12:30.648
EGOI_100828GSEP3852.E2	28-AUG-2010	05:54:47.775
EGOI_100828HLEP7239.E2	27-AUG-2010	23:59:59.107
EGOI_100828HLEP7247.E2	28-AUG-2010	12:10:30.567
EGOI_100828HLEP7256.E2	28-AUG-2010	13:49:52.173
EGOI_100828HLEP7267.E2	28-AUG-2010	15:31:18.291
EGOI_100828HLEP7275.E2	28-AUG-2010	21:53:25.123

EGOI_100828HLEP7282.E2	28-AUG-2010	23:28:55.707
EGOI_100828KSEP1166.E2	28-AUG-2010	06:13:13.379
EGOI_100828KSEP1184.E2	28-AUG-2010	07:53:03.493
EGOI_100828KSEP1207.E2	28-AUG-2010	09:32:41.599
EGOI_100828KSEP1238.E2	28-AUG-2010	11:12:18.210
EGOI_100828KSEP1267.E2	28-AUG-2010	12:51:32.317
EGOI_100828KSEP1277.E2	28-AUG-2010	14:30:23.923
EGOI_100828KSEP1303.E2	28-AUG-2010	16:08:06.518
EGOI_100828KSEP1332.E2	28-AUG-2010	17:46:04.113
EGOI_100828KSEP1364.E2	28-AUG-2010	19:24:00.211
EGOI_100828KSEP1389.E2	28-AUG-2010	21:04:05.322
EGOI_100828KSEP1415.E2	28-AUG-2010	22:46:38.948
EGOI_100828MAEP6238.E2	28-AUG-2010	08:02:18.543
EGOI_100828MAEP6250.E2	28-AUG-2010	09:40:22.146
EGOI_100828MAEP6270.E2	28-AUG-2010	20:56:27.774
EGOI_100828MIEP9332.E2	28-AUG-2010	02:28:33.016
EGOI_100828MIEP9345.E2	28-AUG-2010	04:07:33.617
EGOI_100828MIEP9365.E2	28-AUG-2010	14:48:48.032
EGOI_100828MIEP9382.E2	28-AUG-2010	16:26:48.627
EGOI_100828MMEP3781.E2	28-AUG-2010	00:09:59.172
EGOI_100828MMEP3786.E2	28-AUG-2010	01:51:59.793
EGOI_100828MMEP3796.E2	28-AUG-2010	08:41:17.287
EGOI_100828MMEP3803.E2	28-AUG-2010	10:20:31.396
EGOI_100828MMEP3813.E2	28-AUG-2010	13:40:19.114
EGOI_100828MMEP3820.E2	28-AUG-2010	15:19:49.720
EGOI_100828MMEP3825.E2	28-AUG-2010	16:59:27.828
EGOI_100828MSEP7511.E2	28-AUG-2010	00:47:41.398
EGOI_100828MSEP7531.E2	28-AUG-2010	11:25:22.789
EGOI_100828MSEP7555.E2	28-AUG-2010	13:05:59.403
EGOI_100828MSEP7588.E2	28-AUG-2010	22:34:22.378
EGOI_100828SGEP7742.E2	28-AUG-2010	03:12:55.781
EGOI_100828SGEP7748.E2	28-AUG-2010	14:07:05.778
EGOI_100828SGEP7755.E2	28-AUG-2010	15:44:06.370

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
NA					

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
NA					

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1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

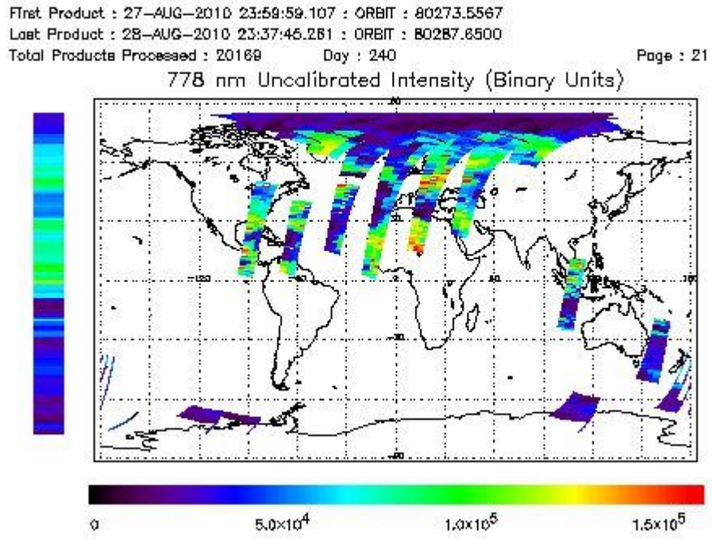
2.1 - Instrument Indicators Status

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

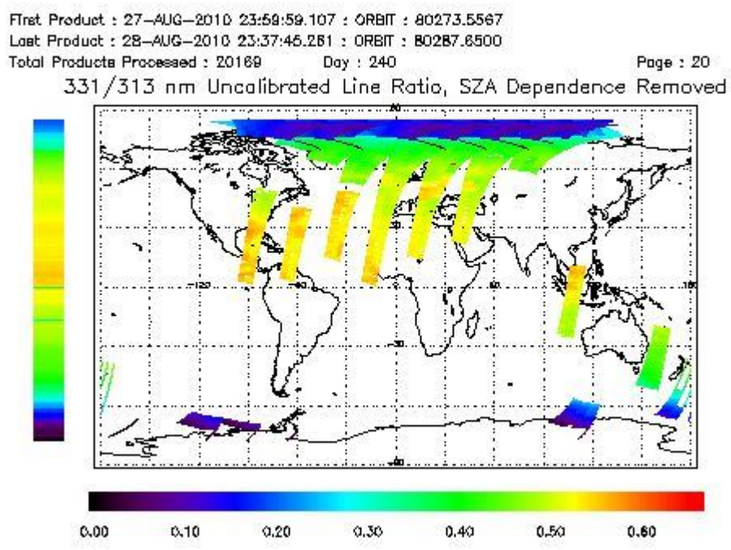
2.2 - Daily Plots

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

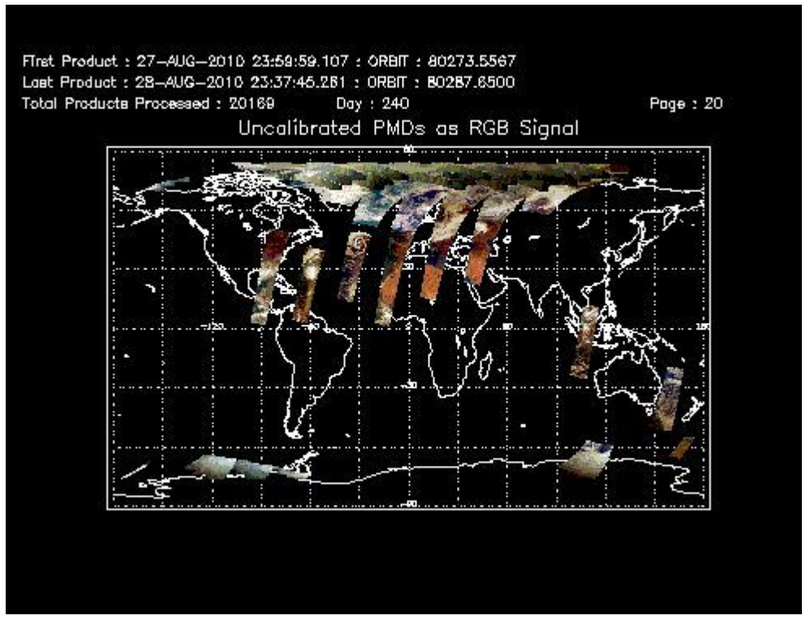
NEAR IR Intensity



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	18:59:58.361	--	80284	Yes	--	14874

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
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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