

GOME Daily Report

INDEX

1. General Info
 - 1.1 Report Summary
 - 1.2 List of received products
 - 1.3 List of data gaps
 - 1.4 List of missing products
 - 1.5 List of corrupted products
2. Instrument Indicators and Daily Plots
 - 2.1 Instrument Indicators Status
 - 2.2 Daily Plots
3. Instrument Calibration
 - 3.1 Solar Calibration (daily/TST44)
 - 3.2 Lamp Calibration (quarterly/TST44)
4. Instrument Anomalies
 - 4.1 Single Event Upset (SEU)
 - 4.2 Instrument Off
 - 4.3 Cooler Switchings
5. Instrument Operations
 - 5.1 Timeline Interruptions
 - 5.2 TST44
 - 5.3 Power Cycle
 - 5.4 Wrong Command Execution
 - 5.5 Narrow Swath Timeline
 - 5.6 Seasonal Operations

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	19-JUN-2009
Start Time of First Product	18-JUN-2009 00:03:00
Stop Time of Last Product	18-JUN-2009 23:44:07
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	GOME Single Event Upset (SEU) starting from ca 14:00

1.2 - List of received products

Name	Date	Time
EGOI_090618BEEP0094.E2	18-JUN-2009	04:41:55.133
EGOI_090618GSEP2542.E2	18-JUN-2009	00:58:11.782
EGOI_090618GSEP2574.E2	18-JUN-2009	02:34:54.368
EGOI_090618GSEP2604.E2	18-JUN-2009	04:15:44.481
EGOI_090618GSEP2611.E2	18-JUN-2009	05:58:06.098
EGOI_090618HLEP1331.E2	18-JUN-2009	00:03:11.445
EGOI_090618HLEP1339.E2	18-JUN-2009	01:44:42.059
EGOI_090618HLEP1346.E2	18-JUN-2009	12:13:48.881
EGOI_090618HLEP1355.E2	18-JUN-2009	13:53:08.986

EGOI_090618HLEP1364.E2	18-JUN-2009	15:34:24.601
EGOI_090618HLEP1372.E2	18-JUN-2009	23:32:04.999
EGOI_090618KSEP8763.E2	18-JUN-2009	06:16:25.711
EGOI_090618KSEP8794.E2	18-JUN-2009	07:56:15.820
EGOI_090618KSEP8817.E2	18-JUN-2009	09:35:50.919
EGOI_090618KSEP8845.E2	18-JUN-2009	11:15:27.524
EGOI_090618KSEP8877.E2	18-JUN-2009	12:54:41.631
EGOI_090618KSEP8890.E2	18-JUN-2009	14:33:31.729
EGOI_090618KSEP8909.E2	18-JUN-2009	16:11:12.823
EGOI_090618KSEP8916.E2	18-JUN-2009	17:49:17.922
EGOI_090618KSEP8951.E2	18-JUN-2009	19:27:12.512
EGOI_090618KSEP8985.E2	18-JUN-2009	21:07:20.626
EGOI_090618KSEP9013.E2	18-JUN-2009	22:50:27.249
EGOI_090618MAEP0803.E2	18-JUN-2009	09:43:17.966
EGOI_090618MAEP0810.E2	18-JUN-2009	11:23:26.071
EGOI_090618MIEP1403.E2	18-JUN-2009	02:31:31.848
EGOI_090618MIEP1432.E2	18-JUN-2009	04:10:47.446
EGOI_090618MIEP1459.E2	18-JUN-2009	14:51:37.843
EGOI_090618MIEP1488.E2	18-JUN-2009	16:29:23.437
EGOI_090618MSEP7221.E2	18-JUN-2009	00:51:32.743
EGOI_090618MSEP7244.E2	18-JUN-2009	11:28:33.603
EGOI_090618MSEP7267.E2	18-JUN-2009	13:09:14.720
EGOI_090618MSEP7298.E2	18-JUN-2009	22:37:48.171
EGOI_090618SGEP7652.E2	18-JUN-2009	03:14:42.602
EGOI_090618SGEP7659.E2	18-JUN-2009	04:55:55.219
EGOI_090618SGEP7666.E2	18-JUN-2009	14:10:06.093
EGOI_090618SGEP7674.E2	18-JUN-2009	15:47:18.679

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

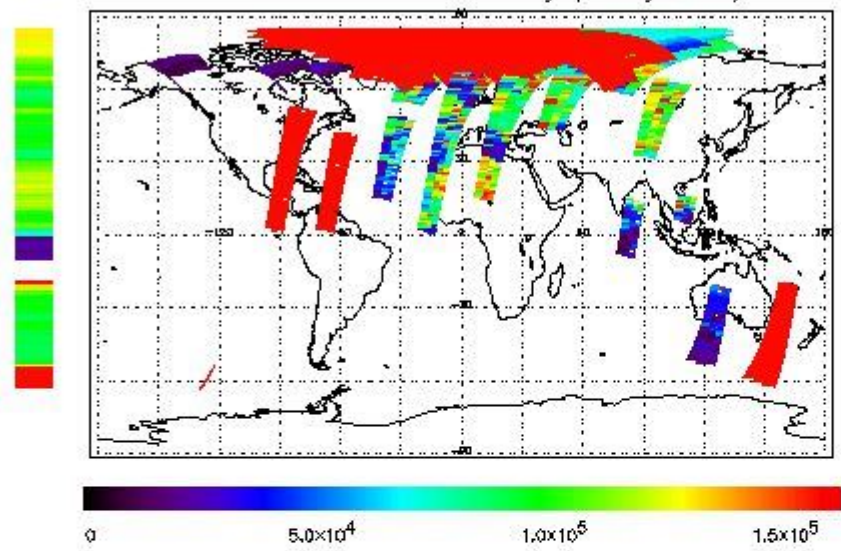
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

NEAR IR Intensity

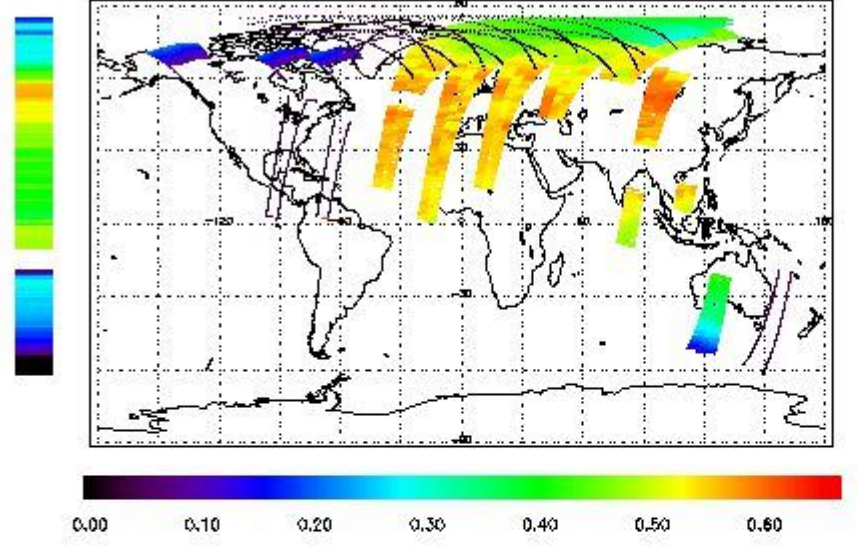
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

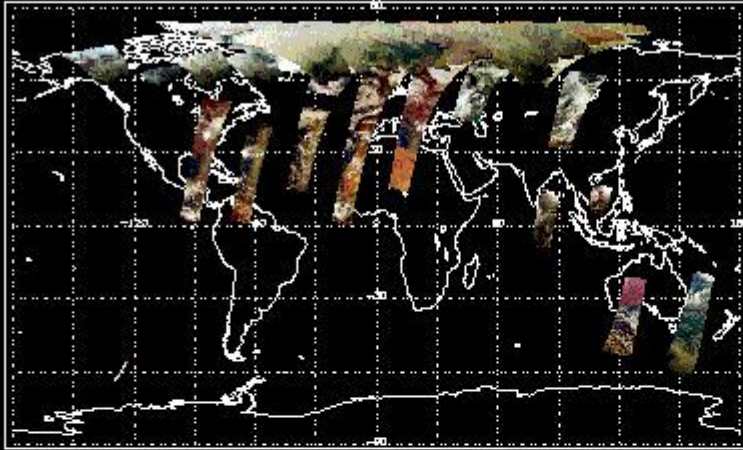
First Product : 18-JUN-2009 00:03:11.445 : ORBIT : 74032.5600
Last Product : 18-JUN-2009 23:44:06.573 : ORBIT : 74046.6846
Total Products Processed : 18574 Day : 169

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

Uncalibrated PMDs as RGB Signal



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	17:51:01	--	74043	Y	--	14634

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
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[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
14:00	23:44	74041	74046	Y

4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)	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

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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[BACK TO MENU]