

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	21-JUN-2009
Start Time of First Product	19-JUN-2009 23:45:52
Stop Time of Last Product	20-JUN-2009 23:38:22
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090620BEEP0109.E2	20-JUN-2009	01:59:37.727
EGOI_090620BEEP0114.E2	20-JUN-2009	03:38:27.824
EGOI_090620GSEP2709.E2	20-JUN-2009	01:34:00.066
EGOI_090620GSEP2732.E2	20-JUN-2009	03:11:41.160
EGOI_090620GSEP2741.E2	20-JUN-2009	04:54:37.281
EGOI_090620HLEP1404.E2	20-JUN-2009	00:40:19.245
EGOI_090620HLEP1411.E2	20-JUN-2009	02:27:15.395
EGOI_090620HLEP1419.E2	20-JUN-2009	14:35:33.311
EGOI_090620HLEP1426.E2	20-JUN-2009	22:31:12.194

EGOI_090620KSEP9280.E2	20-JUN-2009	06:53:18.502
EGOI_090620KSEP9302.E2	20-JUN-2009	08:33:13.113
EGOI_090620KSEP9324.E2	20-JUN-2009	10:12:52.719
EGOI_090620KSEP9348.E2	20-JUN-2009	11:52:26.321
EGOI_090620KSEP9368.E2	20-JUN-2009	13:31:23.923
EGOI_090620KSEP9385.E2	20-JUN-2009	15:10:03.522
EGOI_090620KSEP9405.E2	20-JUN-2009	16:47:35.609
EGOI_090620KSEP9432.E2	20-JUN-2009	18:25:27.203
EGOI_090620KSEP9467.E2	20-JUN-2009	20:04:12.802
EGOI_090620KSEP9487.E2	20-JUN-2009	21:45:22.416
EGOI_090620KSEP9504.E2	20-JUN-2009	23:29:30.549
EGOI_090620MAEP0852.E2	20-JUN-2009	08:41:38.664
EGOI_090620MAEP0867.E2	20-JUN-2009	10:20:19.761
EGOI_090620MAEP0885.E2	20-JUN-2009	21:37:14.869
EGOI_090620MIEP1627.E2	20-JUN-2009	03:07:00.629
EGOI_090620MIEP1651.E2	20-JUN-2009	04:48:34.246
EGOI_090620MIEP1663.E2	20-JUN-2009	15:27:12.624
EGOI_090620MIEP1686.E2	20-JUN-2009	17:07:22.230
EGOI_090620MSEP7435.E2	19-JUN-2009	23:45:51.909
EGOI_090620MSEP7460.E2	20-JUN-2009	10:27:27.304
EGOI_090620MSEP7489.E2	20-JUN-2009	12:05:18.900
EGOI_090620MSEP7498.E2	20-JUN-2009	13:48:19.522
EGOI_090620MSEP7517.E2	20-JUN-2009	21:37:43.369
EGOI_090620MSEP7545.E2	20-JUN-2009	23:14:15.455
EGOI_090620SGEP7716.E2	20-JUN-2009	02:12:18.301
EGOI_090620SGEP7724.E2	20-JUN-2009	03:49:17.391
EGOI_090620SGEP7730.E2	20-JUN-2009	14:49:36.393
EGOI_090620SGEP7736.E2	20-JUN-2009	16:27:27.988

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74065	20-JUN-2009	06:51:26.928	06:53:18.501	111.57300
KS	74066	20-JUN-2009	08:30:50.216	08:33:13.113	142.89700
KS	74067	20-JUN-2009	10:10:27.892	10:12:52.718	144.82600
KS	74068	20-JUN-2009	11:49:57.004	11:52:26.320	149.31600
KS	74069	20-JUN-2009	13:28:59.551	13:31:23.922	144.37100
KS	74070	20-JUN-2009	15:07:26.937	15:10:03.521	156.58400
KS	74071	20-JUN-2009	16:45:03.689	16:47:35.609	151.92000
KS	74072	20-JUN-2009	18:23:01.201	18:25:27.202	146.00100
KS	74073	20-JUN-2009	20:02:11.160	20:04:12.802	121.64200
KS	74074	20-JUN-2009	21:43:12.838	21:45:22.416	129.57800

KS	74075	20-JUN-2009	23:26:52.884	23:29:30.548	157.66400
GS	74062	20-JUN-2009	01:31:51.916	01:34:00.066	128.15000
GS	74063	20-JUN-2009	03:09:49.596	03:11:41.160	111.56400
MS	74067	20-JUN-2009	10:24:53.840	10:27:27.304	153.46400
MS	74068	20-JUN-2009	12:02:55.690	12:05:18.899	143.20900
MS	74075	20-JUN-2009	23:12:04.365	23:14:15.455	131.09000
MA	74066	20-JUN-2009	08:39:42.577	08:41:38.663	116.08600
MA	74067	20-JUN-2009	10:18:32.228	10:20:19.760	107.53200
MA	74074	20-JUN-2009	21:34:46.500	21:37:14.869	148.36900
MI	74063	20-JUN-2009	03:05:05.522	03:07:00.628	115.10600
MI	74064	20-JUN-2009	04:46:21.033	04:48:34.246	133.21300
MI	74070	20-JUN-2009	15:25:19.554	15:27:12.624	113.07000
MI	74071	20-JUN-2009	17:05:16.312	17:07:22.230	125.91800
BE	74062	20-JUN-2009	01:57:01.876	01:59:37.727	155.85100
BE	74063	20-JUN-2009	03:35:54.538	03:38:27.823	153.28500
SG	74062	20-JUN-2009	02:10:11.597	02:12:18.300	126.70300
SG	74062	20-JUN-2009	02:17:12.332	02:18:58.218	105.88600
SG	74063	20-JUN-2009	03:46:51.039	03:49:17.391	146.35200
SG	74063	20-JUN-2009	03:52:14.406	04:00:29.686	495.28000
SG	74070	20-JUN-2009	16:22:31.132	16:27:27.988	296.85600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74061	20-JUN-2009	00:49:41.349	01:00:22.913	641.56400
KS	74061	20-JUN-2009	00:00:21.743	00:05:49.727	327.98400
MM	74062	20-JUN-2009	02:32:14.022	02:40:45.197	511.17500
MM	74063	20-JUN-2009	04:15:19.449	04:21:38.553	379.10400
CM	74063	20-JUN-2009	03:05:26.842	03:15:13.886	587.04400
CM	74063	20-JUN-2009	04:43:40.976	04:55:06.365	685.38900
MM	74064	20-JUN-2009	05:57:43.494	06:03:42.496	359.00200
MM	74065	20-JUN-2009	07:38:49.969	07:46:45.864	475.89500
JO	74065	20-JUN-2009	07:17:10.583	07:30:30.875	800.29200
MM	74066	20-JUN-2009	09:19:17.304	09:29:30.672	613.36800
JO	74066	20-JUN-2009	08:55:50.337	09:10:04.659	854.32200
MM	74067	20-JUN-2009	10:59:27.021	11:11:16.887	709.86600

MM	74068	20-JUN-2009	12:39:23.294	12:51:59.013	755.71900
MM	74069	20-JUN-2009	14:19:05.028	14:31:48.428	763.40000
BE	74070	20-JUN-2009	14:52:56.537	15:05:33.144	756.60700
MM	74070	20-JUN-2009	15:58:30.520	16:11:05.627	755.10700
GS	74070	20-JUN-2009	15:19:15.588	15:32:44.460	808.87200
CM	74070	20-JUN-2009	15:29:03.734	15:38:56.437	592.70300
MM	74071	20-JUN-2009	17:37:41.971	17:50:13.844	751.87300
GS	74071	20-JUN-2009	16:58:49.727	17:11:38.513	768.78600
CM	74071	20-JUN-2009	17:07:34.581	17:18:53.431	678.85000
MM	74072	20-JUN-2009	19:16:51.211	19:29:30.541	759.33000
JO	74072	20-JUN-2009	19:37:14.049	19:49:39.948	745.89900
MM	74073	20-JUN-2009	20:56:19.623	21:09:03.091	763.46800
MA	74073	20-JUN-2009	19:55:19.906	20:08:28.912	789.00600
JO	74073	20-JUN-2009	21:15:35.059	21:30:11.365	876.30600
MM	74074	20-JUN-2009	22:36:30.258	22:48:51.492	741.23400

[[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

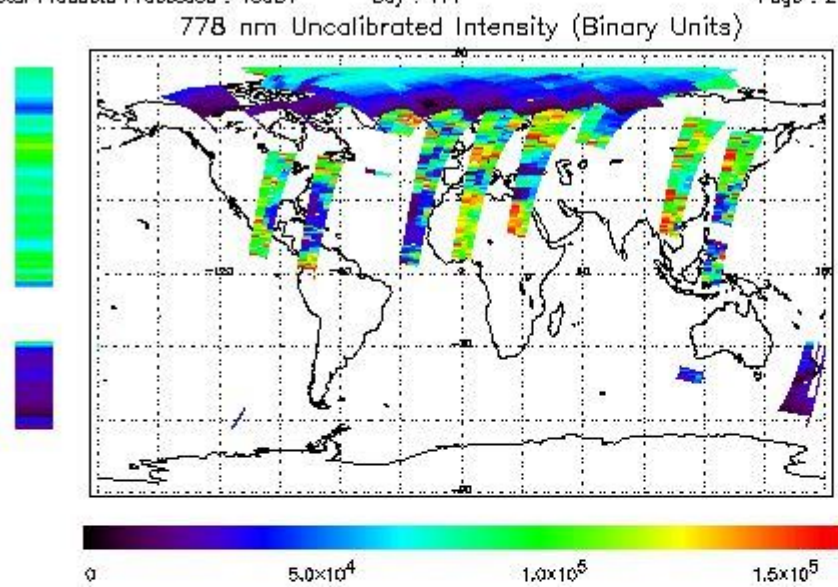
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	Ok
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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

First Product : 19-JUN-2009 23:45:51.909 : ORBIT : 74061.0164
 Last Product : 20-JUN-2009 23:38:21.603 : ORBIT : 74075.2561
 Total Products Processed : 15981 Day : 171 Page : 21

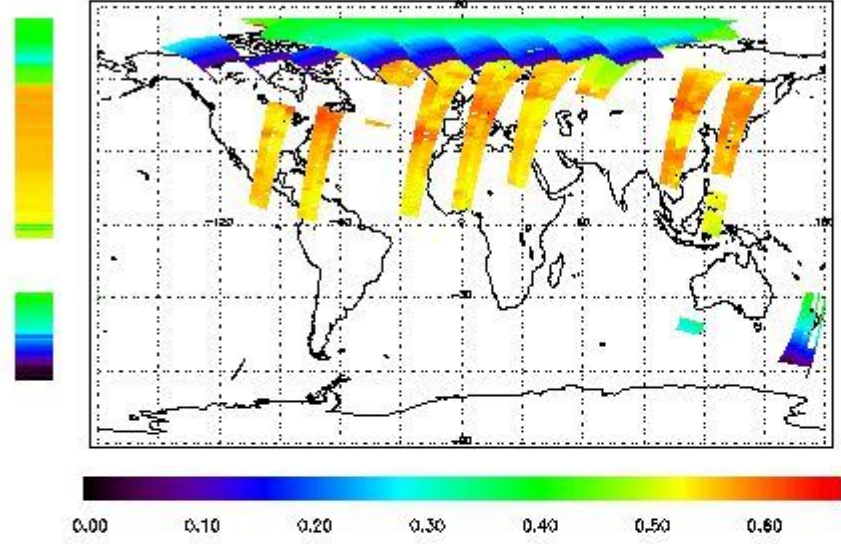


Ozone Line Ratio

First Product : 19-JUN-2009 23:45:51.909 : ORBIT : 74061.0164
Last Product : 20-JUN-2009 23:38:21.803 : ORBIT : 74076.2561
Total Products Processed : 15981 Day : 171

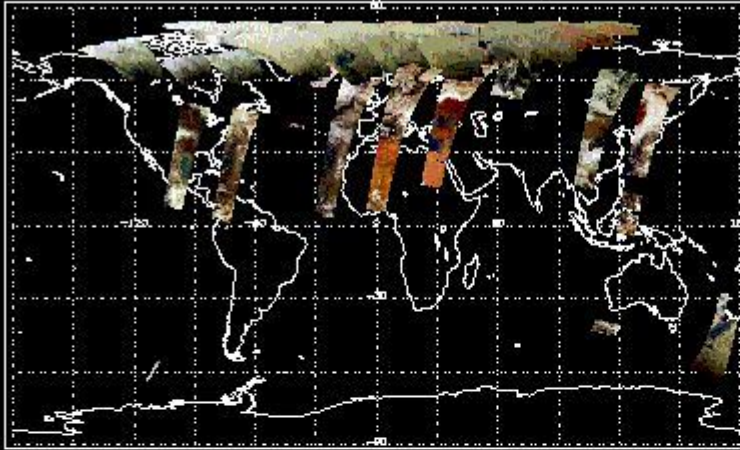
Page : 20

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	16:47:35.600	--	74071	Y	--	14670

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)
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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)
--	--	--	--	--

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]