GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-AUG-2009
Start Time of First Product	00:06:27
Stop Time of Last Product	23:48:01
Number of EGOI Products analysed	35
Number of corrupted products	2
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090822BEEP0499.E2	22-AUG-2009	02:19:16.879
EGOI_090822BEEP0504.E2	22-AUG-2009	03:58:36.980
EGOI_090822GSEP7177.E2	22-AUG-2009	01:53:15.223
EGOI_090822GSEP7208.E2	22-AUG-2009	03:31:53.316
EGOI_090822HLEP3299.E2	22-AUG-2009	01:02:56.913
EGOI_090822HLEP3307.E2	22-AUG-2009	11:34:50.251
EGOI_090822HLEP3313.E2	22-AUG-2009	13:13:08.850
EGOI_090822HLEP3322.E2	22-AUG-2009	14:53:31.955
EGOI_090822HLEP3329.E2	22-AUG-2009	22:52:55.865

EGOI_090822KSEP5969.E2	22-AUG-2009	07:13:32.163
EGOI_090822KSEP5992.E2	22-AUG-2009	08:53:23.769
EGOI_090822KSEP6022.E2	22-AUG-2009	10:33:00.372
EGOI_090822KSEP6053.E2	22-AUG-2009	12:12:23.473
EGOI_090822KSEP6069.E2	22-AUG-2009	13:51:22.576
EGOI_090822KSEP6097.E2	22-AUG-2009	15:29:47.179
EGOI_090822KSEP6115.E2	22-AUG-2009	17:07:13.265
EGOI_090822KSEP6148.E2	22-AUG-2009	18:45:15.364
EGOI_090822KSEP6183.E2	22-AUG-2009	20:24:23.466
EGOI_090822KSEP6214.E2	22-AUG-2009	22:06:01.584
EGOI_090822MAEP3036.E2	22-AUG-2009	09:01:17.820
EGOI_090822MAEP3048.E2	22-AUG-2009	10:40:27.418
EGOI_090822MIEP7332.E2	22-AUG-2009	01:52:13.719
EGOI_090822MIEP7358.E2	22-AUG-2009	03:29:14.301
EGOI_090822MIEP7380.E2	22-AUG-2009	05:10:23.918
EGOI_090822MIEP7390.E2	22-AUG-2009	15:47:24.780
EGOI_090822MIEP7412.E2	22-AUG-2009	17:28:25.394
EGOI_090822MSEP4635.E2	22-AUG-2009	00:06:26.569
EGOI_090822MSEP4652.E2	22-AUG-2009	10:46:46.954
EGOI_090822MSEP4680.E2	22-AUG-2009	12:25:43.059
EGOI_090822MSEP4709.E2	22-AUG-2009	21:56:46.525
EGOI_090822MSEP4740.E2	22-AUG-2009	23:34:42.620
EGOI_090822SGEP9073.E2	22-AUG-2009	02:31:07.879
EGOI_090822SGEP9081.E2	22-AUG-2009	04:09:26.473
EGOI_090822SGEP9089.E2	22-AUG-2009	15:04:48.446
EGOI_090822SGEP9097.E2	22-AUG-2009	16:46:07.063

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74967	22-AUG-2009	07:11:16.174	07:13:32.162	135.98800
KS	74968	22-AUG-2009	08:50:45.600	08:53:23.769	158.16900
KS	74969	22-AUG-2009	10:30:22.936	10:33:00.371	157.43500
KS	74970	22-AUG-2009	12:09:48.275	12:12:23.473	155.19800
KS	74971	22-AUG-2009	13:48:43.190	13:51:22.576	159.38600
KS	74972	22-AUG-2009	15:26:52.610	15:29:47.179	174.56900
KS	74973	22-AUG-2009	17:04:34.640	17:07:13.264	158.62400
KS	74974	22-AUG-2009	18:42:44.051	18:45:15.363	151.31200
KS	74975	22-AUG-2009	20:22:13.380	20:24:23.465	130.08500
KS	74976	22-AUG-2009	22:03:42.046	22:06:01.583	139.53700
KS	74977	22-AUG-2009	23:48:06.102	23:49:47.214	101.11200
GS	74964	22-AUG-2009	01:51:06.167	01:53:15.223	129.05600

GS	74965	22-AUG-2009	03:29:57.217	03:31:53.316	116.09900
MS	74963	22-AUG-2009	00:04:07.178	00:06:26.568	139.39000
MS	74969	22-AUG-2009	10:44:06.299	10:46:46.953	160.65400
MS	74970	22-AUG-2009	12:23:00.975	12:25:43.058	162.08300
MS	74976	22-AUG-2009	21:54:32.068	21:56:46.524	134.45600
MS	74977	22-AUG-2009	23:32:05.795	23:34:42.619	156.82400
MA	74968	22-AUG-2009	08:59:58.637	09:01:17.820	79.183000
MA	74969	22-AUG-2009	10:38:24.000	10:40:27.418	123.41800
MI	74964	22-AUG-2009	01:50:00.768	01:52:13.718	132.95000
MI	74965	22-AUG-2009	03:24:45.761	03:29:14.300	268.53900
MI	74966	22-AUG-2009	05:08:10.369	05:10:23.918	133.54900
MI	74972	22-AUG-2009	15:44:57.452	15:47:24.780	147.32800
MI	74973	22-AUG-2009	17:25:57.649	17:28:25.393	147.74400
BE	74964	22-AUG-2009	02:16:33.577	02:19:16.879	163.30200
BE	74965	22-AUG-2009	03:55:58.945	03:58:36.979	158.03400
SG	74964	22-AUG-2009	02:28:42.789	02:31:07.879	145.09000
SG	74965	22-AUG-2009	04:07:03.378	04:09:26.472	143.09400
SG	74971	22-AUG-2009	15:02:19.957	15:04:48.446	148.48900
SG	74972	22-AUG-2009	16:43:27.275	16:46:07.063	159.78800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74963	22-AUG-2009	01:10:07.273	01:20:25.892	618.61900
KS	74963	22-AUG-2009	00:22:22.250	00:24:51.688	149.43800
MM	74964	22-AUG-2009	02:52:50.239	03:00:52.465	482.22600
MM	74965	22-AUG-2009	04:35:54.344	04:41:56.343	361.99900
CM	74965	22-AUG-2009	03:24:25.501	03:35:43.190	677.68900
CM	74965	22-AUG-2009	05:04:20.722	05:14:15.472	594.75000
MM	74966	22-AUG-2009	06:18:01.999	06:24:16.919	374.92000
MM	74967	22-AUG-2009	07:58:57.476	08:07:22.304	504.82800
JO	74967	22-AUG-2009	07:36:25.379	07:50:43.345	857.96600
MM	74968	22-AUG-2009	09:39:20.383	09:49:57.117	636.73400
JO	74968	22-AUG-2009	09:16:19.944	09:29:29.168	789.22400
MM	74969	22-AUG-2009	11:19:27.354	11:31:30.248	722.89400
MM	74970	22-AUG-2009	12:59:20.864	13:12:00.547	759.68300

MM	74971	22-AUG-2009	14:38:59.458	14:51:41.690	762.23200
GS	74971	22-AUG-2009	14:01:36.446	14:09:31.191	474.74500
BE	74972	22-AUG-2009	15:13:27.413	15:25:05.069	697.65600
MM	74972	22-AUG-2009	16:18:21.715	16:30:55.288	753.57300
GS	74972	22-AUG-2009	15:39:02.484	15:52:52.731	830.24700
CM	74972	22-AUG-2009	15:48:12.409	15:59:36.668	684.25900
MM	74973	22-AUG-2009	17:57:31.422	18:10:04.131	752.70900
GS	74973	22-AUG-2009	17:18:55.844	17:30:53.402	717.55800
CM	74973	22-AUG-2009	17:28:03.521	17:37:52.547	589.02600
MM	74974	22-AUG-2009	19:36:42.586	19:49:23.707	761.12100
JO	74974	22-AUG-2009	19:56:31.193	20:10:19.132	827.93900
MM	74975	22-AUG-2009	21:16:17.710	21:28:59.570	761.86000
MA	74975	22-AUG-2009	20:14:47.162	20:28:33.971	826.80900
JO	74975	22-AUG-2009	21:35:43.013	21:49:33.650	830.63700
MM	74976	22-AUG-2009	22:56:39.110	23:08:50.883	731.77300
MA	74976	22-AUG-2009	21:55:51.158	22:07:08.377	677.21900

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1.5 - List of corrupted products

Station	Orbit	Time
HL	74970	13:21:59.904
HL	74970	13:23:26.908
HL	74970	14:55:57.470
HL	74970	14:56:25.970

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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

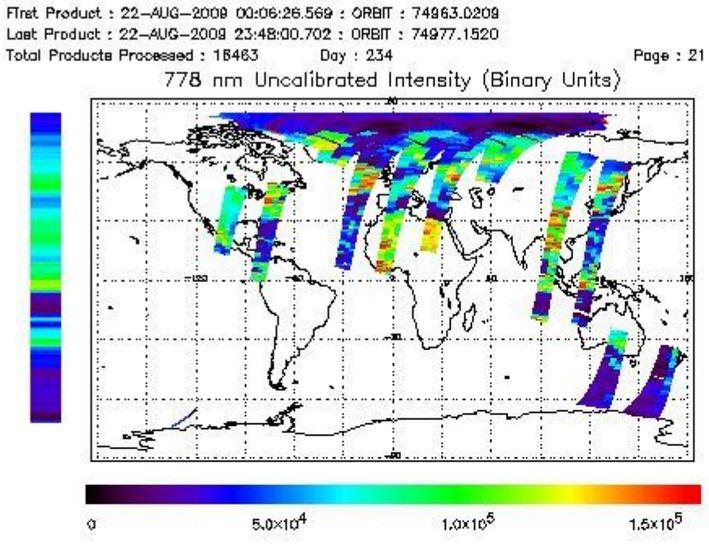
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected 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

(1)

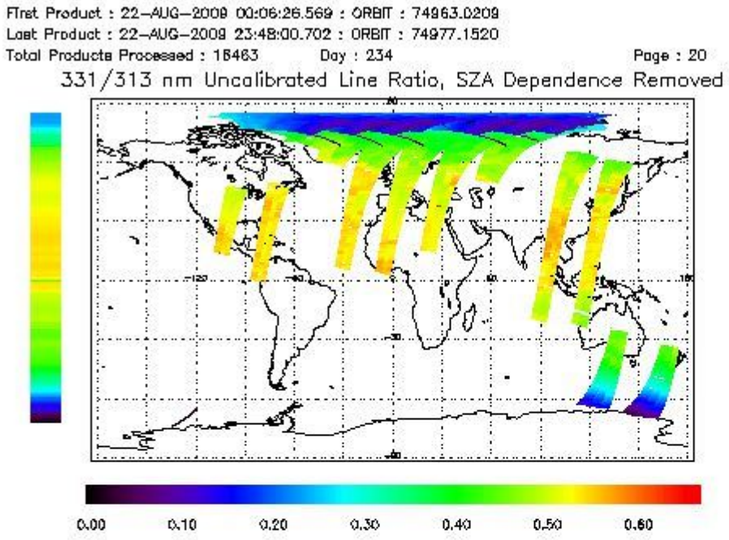
2.2 - Daily Plots

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

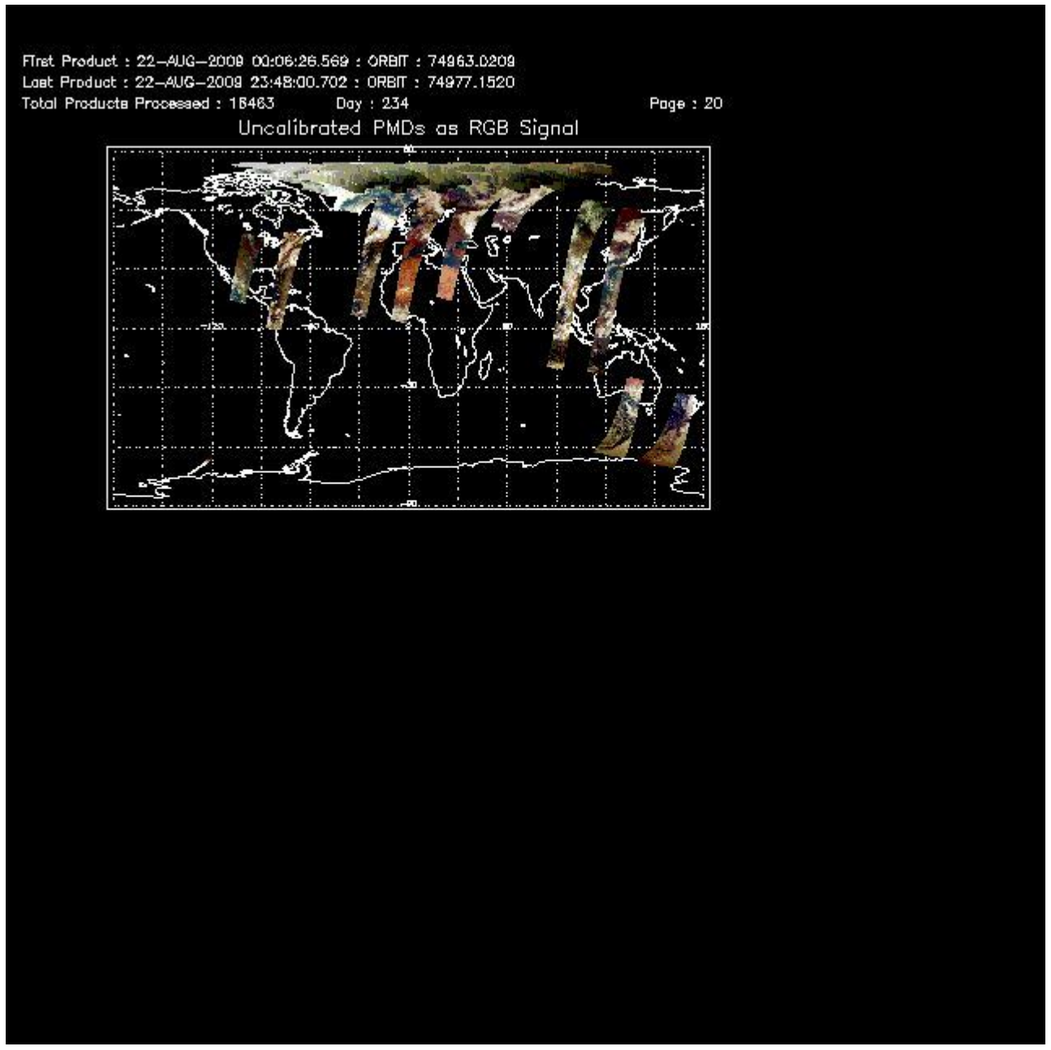
NEAR IR Intensity



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 (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	17:10:34.280	--	74973	Y	--	14898

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/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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(2)(3)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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(2)

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	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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(2)

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5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(2)

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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Legend:
(1) The Instrument Indicators field has the values: OK or NOK (Not OK)
(2) The Ground Station Visibility field has the values: Y (in case of visibility); NS (No Start); NE (No End). This occurs since the failure of the on-board recorder (2003)
(3) 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