GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-AUG-2009
Start Time of First Product	00:35:57
Stop Time of Last Product	22:47:20
Number of EGOI Products analysed	22
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090802BEEP0335.E2	02-AUG-2009	02:47:24.974
EGOI_090802BEEP0341.E2	02-AUG-2009	04:28:16.584
EGOI_090802GSEP5900.E2	02-AUG-2009	02:20:53.318
EGOI_090802GSEP5924.E2	02-AUG-2009	04:01:10.427
EGOI_090802GSEP5932.E2	02-AUG-2009	05:43:48.544
EGOI_090802KSEP0881.E2	02-AUG-2009	07:41:44.766
EGOI_090802KSEP0904.E2	02-AUG-2009	09:21:45.369
EGOI_090802KSEP0931.E2	02-AUG-2009	11:01:23.475
EGOI_090802KSEP0958.E2	02-AUG-2009	12:40:40.581

EGOI_090802KSEP0971.E2	02-AUG-2009	14:19:36.682
EGOI_090802KSEP0985.E2	02-AUG-2009	15:57:23.776
EGOI_090802KSEP1015.E2	02-AUG-2009	17:35:21.374
EGOI_090802KSEP1038.E2	02-AUG-2009	19:13:09.963
EGOI_090802KSEP1073.E2	02-AUG-2009	20:53:13.569
EGOI_090802KSEP1103.E2	02-AUG-2009	22:35:12.690
EGOI_090802MAEP2334.E2	02-AUG-2009	19:12:56.460
EGOI_090802MSEP2436.E2	02-AUG-2009	00:35:57.177
EGOI_090802MSEP2457.E2	02-AUG-2009	11:14:31.053
EGOI_090802MSEP2482.E2	02-AUG-2009	12:54:30.163
EGOI_090802MSEP2514.E2	02-AUG-2009	22:23:50.120
EGOI_090802SGEP8921.E2	02-AUG-2009	02:58:44.541
EGOI_090802SGEP8928.E2	02-AUG-2009	04:38:40.646
EGOI_090802SGEP8937.E2	02-AUG-2009	13:57:23.046
EGOI_090802SGEP8944.E2	02-AUG-2009	15:33:04.128

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74681	02-AUG-2009	07:39:39.028	07:41:44.766	125.73800
KS	74682	02-AUG-2009	09:19:13.654	09:21:45.368	151.71400
KS	74683	02-AUG-2009	10:58:49.286	11:01:23.475	154.18900
KS	74684	02-AUG-2009	12:38:07.943	12:40:40.580	152.63700
KS	74685	02-AUG-2009	14:16:58.792	14:19:36.682	157.89000
KS	74686	02-AUG-2009	15:54:48.259	15:57:23.775	155.51600
KS	74687	02-AUG-2009	17:32:42.983	17:35:21.374	158.39100
KS	74688	02-AUG-2009	19:10:59.559	19:13:09.962	130.40300
KS	74689	02-AUG-2009	20:50:59.151	20:53:13.569	134.41800
KS	74690	02-AUG-2009	22:33:09.667	22:35:12.689	123.02200
GS	74679	02-AUG-2009	03:59:04.242	04:01:10.427	126.18500
MS	74677	02-AUG-2009	00:34:04.809	00:35:57.177	112.36800
MS	74683	02-AUG-2009	11:11:53.485	11:14:31.053	157.56800
MS	74684	02-AUG-2009	12:51:59.855	12:54:30.163	150.30800
MS	74690	02-AUG-2009	22:21:42.515	22:23:50.119	127.60400
MA	74688	02-AUG-2009	19:08:33.312	19:12:56.460	263.14800
BE	74678	02-AUG-2009	02:44:42.659	02:47:24.974	162.31500
BE	74679	02-AUG-2009	04:24:50.997	04:28:16.583	205.58600
SG	74678	02-AUG-2009	02:56:04.400	02:58:44.541	160.14100
SG	74679	02-AUG-2009	04:36:30.701	04:38:40.646	129.94500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74676	01-AUG-2009	23:46:41.146	00:01:06.907	865.76100
MM	74676	01-AUG-2009	23:57:20.931	00:08:52.221	691.29000
HO	74677	02-AUG-2009	01:27:36.481	01:39:37.587	721.10600
MM	74677	02-AUG-2009	01:39:22.865	01:49:05.588	582.72300
GS	74677	02-AUG-2009	00:43:25.572	00:51:35.802	490.23000
MM	74678	02-AUG-2009	03:22:17.927	03:29:39.568	441.64100
MI	74678	02-AUG-2009	02:15:51.660	02:25:58.083	606.42300
CM	74678	02-AUG-2009	03:52:10.771	04:04:29.722	738.95100
MM	74679	02-AUG-2009	05:05:13.935	05:11:01.991	348.05600
MI	74679	02-AUG-2009	03:53:18.516	04:06:21.637	783.12100
MM	74680	02-AUG-2009	06:46:57.541	06:53:43.503	405.96200
KS	74680	02-AUG-2009	06:00:56.055	06:06:04.011	307.95600
CM	74680	02-AUG-2009	05:35:14.634	05:40:19.318	304.68400
JO	74680	02-AUG-2009	06:29:27.685	06:37:19.847	472.16200
MM	74681	02-AUG-2009	08:27:40.461	08:36:46.098	545.63700
JO	74681	02-AUG-2009	08:04:21.440	08:19:19.691	898.25100
MM	74682	02-AUG-2009	10:07:58.036	10:19:04.735	666.69900
MA	74682	02-AUG-2009	09:27:21.835	09:40:56.953	815.11800
JO	74682	02-AUG-2009	09:46:18.585	09:56:38.897	620.31200
HO	74683	02-AUG-2009	11:57:24.817	12:10:38.135	793.31800
MM	74683	02-AUG-2009	11:48:01.190	12:00:19.207	738.01700
MA	74683	02-AUG-2009	11:07:53.206	11:17:23.677	570.47100
HO	74684	02-AUG-2009	13:36:22.913	13:50:57.620	874.70700
MM	74684	02-AUG-2009	13:27:50.649	13:40:33.619	762.97000
BE	74685	02-AUG-2009	14:01:18.840	14:14:42.896	804.05600
HO	74685	02-AUG-2009	15:17:38.210	15:25:29.829	471.61900
MM	74685	02-AUG-2009	15:07:24.620	15:20:04.481	759.86100
MI	74685	02-AUG-2009	14:36:13.806	14:44:29.668	495.86200
GS	74685	02-AUG-2009	14:28:54.355	14:39:54.513	660.15800
SG	74685	02-AUG-2009	15:30:28.626	15:44:21.025	832.39900
BE	74686	02-AUG-2009	15:43:23.802	15:52:33.438	549.63600
MM	74686	02-AUG-2009	16:46:42.497	16:59:14.564	752.06700
MI	74686	02-AUG-2009	16:13:18.836	16:26:35.049	796.21300

GS	74686	02-AUG-2009	16:07:25.544	16:21:19.626	834.08200
CM	74686	02-AUG-2009	16:16:07.372	16:28:28.679	741.30700
MM	74687	02-AUG-2009	18:25:50.728	18:38:25.366	754.63800
MI	74687	02-AUG-2009	17:57:47.007	17:58:53.165	66.158000
GS	74687	02-AUG-2009	17:47:47.675	17:58:01.921	614.24600
CM	74687	02-AUG-2009	17:58:21.427	18:03:46.808	325.38100
MM	74688	02-AUG-2009	20:05:06.262	20:17:49.394	763.13200
JO	74688	02-AUG-2009	20:24:28.113	20:39:17.288	889.17500
MM	74689	02-AUG-2009	21:44:52.554	21:57:29.905	757.35100
MA	74689	02-AUG-2009	20:42:54.084	20:56:36.206	822.12200
JO	74689	02-AUG-2009	22:04:47.371	22:16:43.866	716.49500
HO	74690	02-AUG-2009	23:15:43.073	23:29:47.269	844.19600
MM	74690	02-AUG-2009	23:25:30.399	23:37:25.222	714.82300
MA	74690	02-AUG-2009	22:26:36.303	22:34:29.668	473.36500

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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

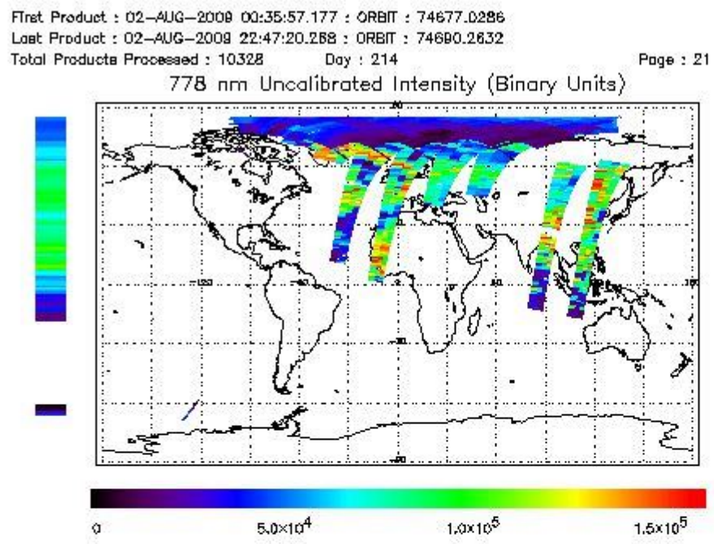
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

(1)

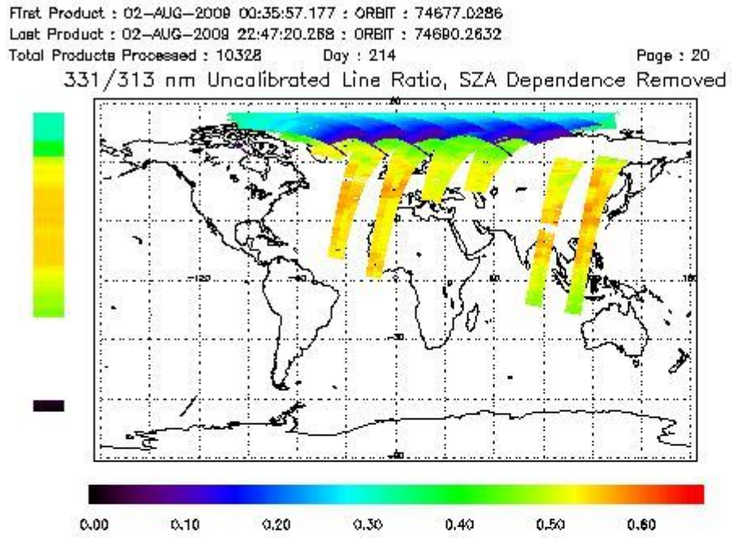
2.2 - Daily Plots

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

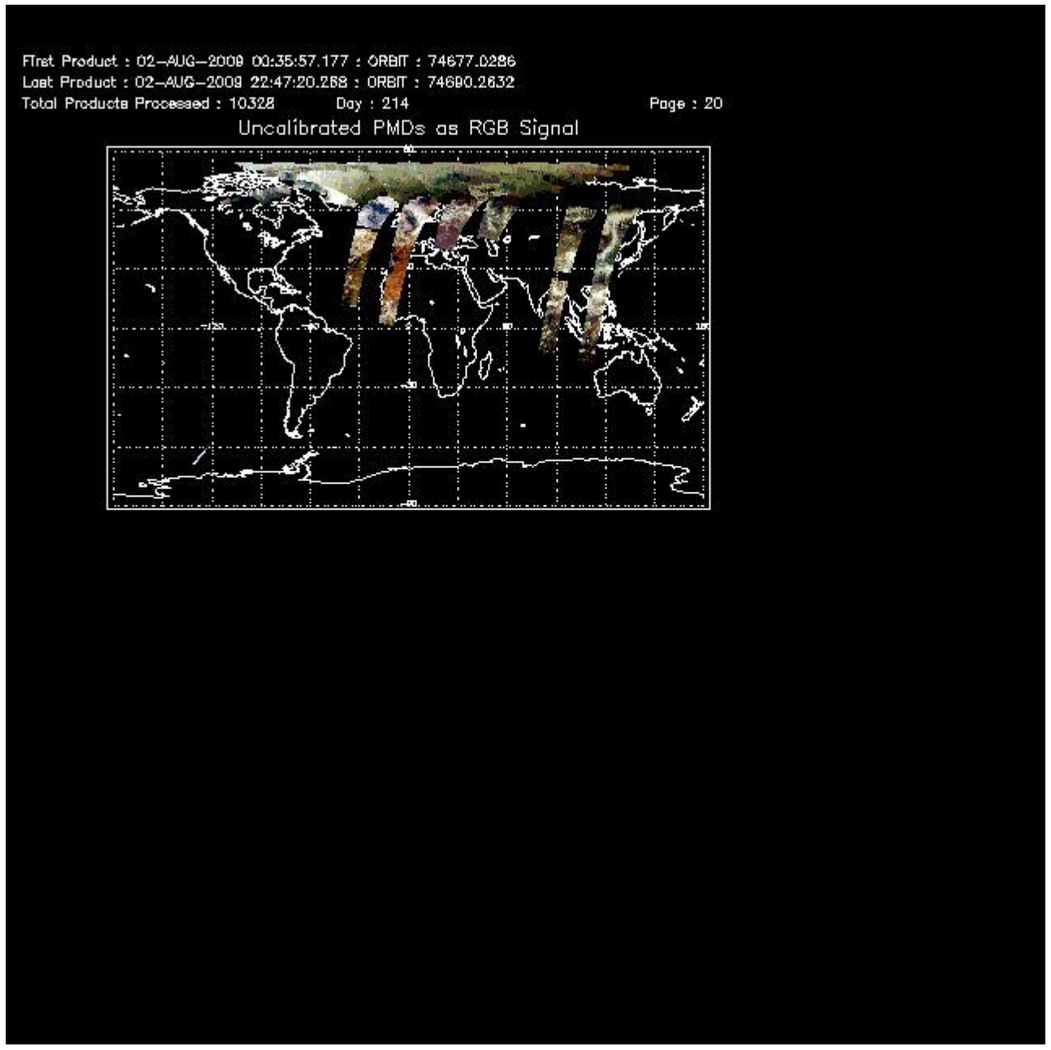
NEAR IR Intensity



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	17:37:24	--	74687	Y	--	14729

(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)

[BACK TO MENU]

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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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[BACK TO MENU]

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