GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-OCT-2009
Start Time of First Product	00:24:12
Stop Time of Last Product	23:28:43
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day as planned, end orbit 75601

1.2 - List of received products

Name	Date	Time
EGOI_091005BEEP0827.E2	05-OCT-2009	02:36:09.972
EGOI_091005BEEP0833.E2	05-OCT-2009	04:15:57.079
EGOI_091005GSEP0054.E2	05-OCT-2009	03:49:29.919
EGOI_091005GSEP0063.E2	05-OCT-2009	05:32:12.545
EGOI_091005KSEP7380.E2	05-OCT-2009	07:30:23.770
EGOI_091005KSEP7403.E2	05-OCT-2009	09:10:24.381
EGOI_091005KSEP7428.E2	05-OCT-2009	10:50:03.989
EGOI_091005KSEP7460.E2	05-OCT-2009	12:29:24.096
EGOI_091005KSEP7476.E2	05-OCT-2009	14:08:21.695

EGOI_091005KSEP7505.E2	05-OCT-2009	15:46:17.798
EGOI_091005KSEP7537.E2	05-OCT-2009	17:24:09.397
EGOI_091005KSEP7567.E2	05-OCT-2009	19:02:00.993
EGOI_091005KSEP7600.E2	05-OCT-2009	20:41:34.600
EGOI_091005KSEP7630.E2	05-OCT-2009	22:23:47.226
EGOI_091005MAEP4563.E2	05-OCT-2009	09:17:36.424
EGOI_091005MAEP4570.E2	05-OCT-2009	10:57:37.032
EGOI_091005MIEP0621.E2	05-OCT-2009	02:07:42.800
EGOI_091005MIEP0643.E2	05-OCT-2009	03:44:31.387
EGOI_091005MIEP0662.E2	05-OCT-2009	14:28:15.820
EGOI_091005MIEP0680.E2	05-OCT-2009	16:04:25.405
EGOI_091005MMEP9077.E2	05-OCT-2009	03:11:40.192
EGOI_091005MMEP9085.E2	05-OCT-2009	04:54:19.814
EGOI_091005MMEP9092.E2	05-OCT-2009	09:58:05.174
EGOI_091005MMEP9100.E2	05-OCT-2009	11:38:20.784
EGOI_091005MMEP9108.E2	05-OCT-2009	13:18:03.390
EGOI_091005MMEP9117.E2	05-OCT-2009	14:57:38.500
EGOI_091005MMEP9127.E2	05-OCT-2009	21:36:07.937
EGOI_091005MMEP9134.E2	05-OCT-2009	23:15:41.548
EGOI_091005MSEP9449.E2	05-OCT-2009	00:24:12.169
EGOI_091005MSEP9471.E2	05-OCT-2009	11:03:20.565
EGOI_091005MSEP9495.E2	05-OCT-2009	12:42:51.176
EGOI_091005MSEP9526.E2	05-OCT-2009	22:13:03.660
EGOI_091005SGEP0152.E2	05-OCT-2009	02:47:29.543
EGOI_091005SGEP0161.E2	05-OCT-2009	04:26:46.646
EGOI_091005SGEP0170.E2	05-OCT-2009	17:04:45.276

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75597	05-OCT-2009	07:28:17.467	07:30:23.770	126.30300
KS	75598	05-OCT-2009	09:07:50.406	09:10:24.380	153.97400
KS	75599	05-OCT-2009	10:47:26.888	10:50:03.989	157.10100
KS	75600	05-OCT-2009	12:26:48.404	12:29:24.095	155.69100
KS	75601	05-OCT-2009	14:05:41.590	14:08:21.695	160.10500
KS	75602	05-OCT-2009	15:43:38.233	15:46:17.798	159.56500
KS	75603	05-OCT-2009	17:21:29.748	17:24:09.396	159.64800
KS	75604	05-OCT-2009	18:59:40.498	19:02:00.992	140.49400
KS	75605	05-OCT-2009	20:39:27.623	20:41:34.600	126.97700
KS	75606	05-OCT-2009	22:21:20.889	22:23:47.226	146.33700
GS	75595	05-OCT-2009	03:47:22.059	03:49:29.918	127.85900
MS	75593	05-OCT-2009	00:21:57.772	00:24:12.168	134.39600

MS	75599	05-OCT-2009	11:00:39.893	11:03:20.565	160.67200
MS	75600	05-OCT-2009	12:40:15.481	12:42:51.175	155.69400
MS	75606	05-OCT-2009	22:10:45.360	22:13:03.659	138.29900
MS	75607	05-OCT-2009	23:49:28.186	23:51:49.262	141.07600
MA	75598	05-OCT-2009	09:16:23.990	09:17:36.424	72.434000
MA	75599	05-OCT-2009	10:55:42.428	10:57:37.031	114.60300
MI	75594	05-OCT-2009	02:05:17.998	02:07:42.800	144.80200
MI	75595	05-OCT-2009	03:41:49.565	03:44:31.387	161.82200
MI	75601	05-OCT-2009	14:25:59.567	14:28:15.820	136.25300
MI	75602	05-OCT-2009	16:01:55.832	16:04:25.405	149.57300
MM	75594	05-OCT-2009	03:10:30.697	03:11:40.191	69.494000
MM	75598	05-OCT-2009	09:56:31.114	09:58:05.174	94.060000
MM	75599	05-OCT-2009	11:36:35.787	11:38:20.783	104.99600
MM	75600	05-OCT-2009	13:16:26.883	13:18:03.390	96.507000
MM	75601	05-OCT-2009	14:56:02.722	14:57:38.499	95.777000
MM	75605	05-OCT-2009	21:33:26.127	21:36:07.937	161.81000
MM	75606	05-OCT-2009	23:13:57.258	23:15:41.547	104.28900
BE	75594	05-OCT-2009	02:33:25.248	02:36:09.972	164.72400
BE	75595	05-OCT-2009	04:13:16.296	04:15:57.078	160.78200
SG	75594	05-OCT-2009	02:45:02.240	02:47:29.543	147.30300
SG	75595	05-OCT-2009	04:24:37.539	04:26:46.646	129.10700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75593	05-OCT-2009	01:15:43.496	01:28:32.735	769.23900
MM	75593	05-OCT-2009	01:27:40.045	01:37:37.538	597.49300
GS	75594	05-OCT-2009	02:07:44.303	02:21:03.339	799.03600
CM	75594	05-OCT-2009	03:40:59.991	03:53:02.614	722.62300
MM	75596	05-OCT-2009	06:35:23.986	06:41:56.553	392.56700
KS	75596	05-OCT-2009	05:49:59.233	05:52:29.518	150.28500
CM	75596	05-OCT-2009	05:22:33.149	05:30:13.017	459.86800
MM	75597	05-OCT-2009	08:16:11.521	08:25:00.995	529.47400
JO	75597	05-OCT-2009	07:53:07.544	08:07:55.211	887.66700
JO	75598	05-OCT-2009	09:34:11.480	09:45:53.488	702.00800
HO	75601	05-OCT-2009	15:05:55.402	15:14:40.125	524.72300

GS	75601	05-OCT-2009	14:17:53.258	14:27:53.106	599.84800
SG	75601	05-OCT-2009	15:19:09.368	15:33:00.774	831.40600
BE	75602	05-OCT-2009	15:31:18.476	15:41:39.082	620.60600
MM	75602	05-OCT-2009	16:35:22.301	16:47:54.863	752.56200
GS	75602	05-OCT-2009	15:56:03.366	16:09:59.470	836.10400
CM	75602	05-OCT-2009	16:04:53.527	16:17:00.599	727.07200
MM	75603	05-OCT-2009	18:14:30.970	18:27:04.747	753.77700
MI	75603	05-OCT-2009	17:44:13.919	17:50:06.582	352.66300
GS	75603	05-OCT-2009	17:36:13.451	17:47:13.798	660.34700
CM	75603	05-OCT-2009	17:45:59.467	17:53:41.565	462.09800
MM	75604	05-OCT-2009	19:53:44.521	20:06:26.953	762.43200
MA	75604	05-OCT-2009	18:58:20.875	19:03:08.703	287.82800
JO	75604	05-OCT-2009	20:13:14.601	20:27:45.948	871.34700
MA	75605	05-OCT-2009	20:31:36.613	20:45:19.341	822.72800
JO	75605	05-OCT-2009	21:53:06.480	22:05:56.653	770.17300
HO	75606	05-OCT-2009	23:04:43.766	23:18:21.243	817.47700
MA	75606	05-OCT-2009	22:14:23.286	22:23:39.124	555.83800
MS	75607	05-OCT-2009	23:49:28.186	00:02:08.592	760.40600

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1.5 - List of corrupted products

Station	Orbit	Time
MM	75595	04:54:22.814
GS	75596	05:43:59.123

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

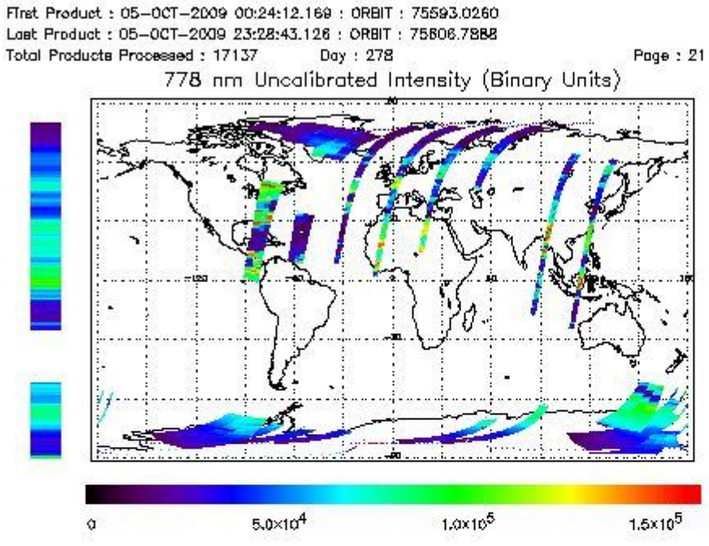
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK

Scan Mirror position	South Polar View operations
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

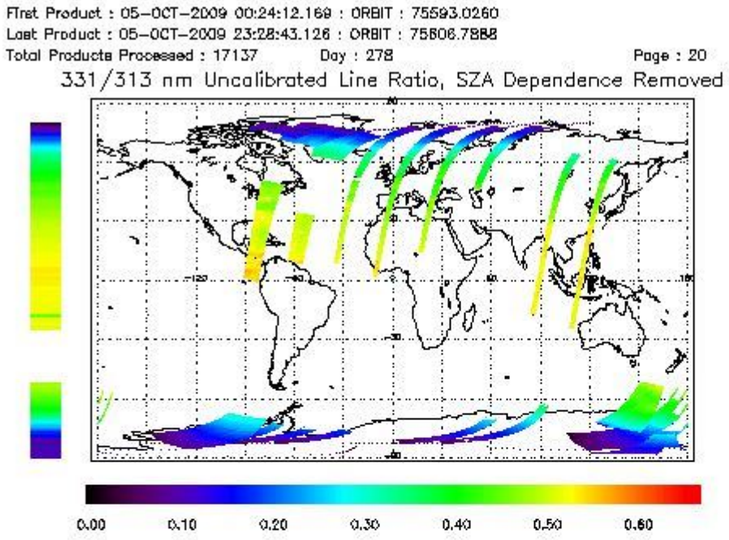
2.2 - Daily Plots

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

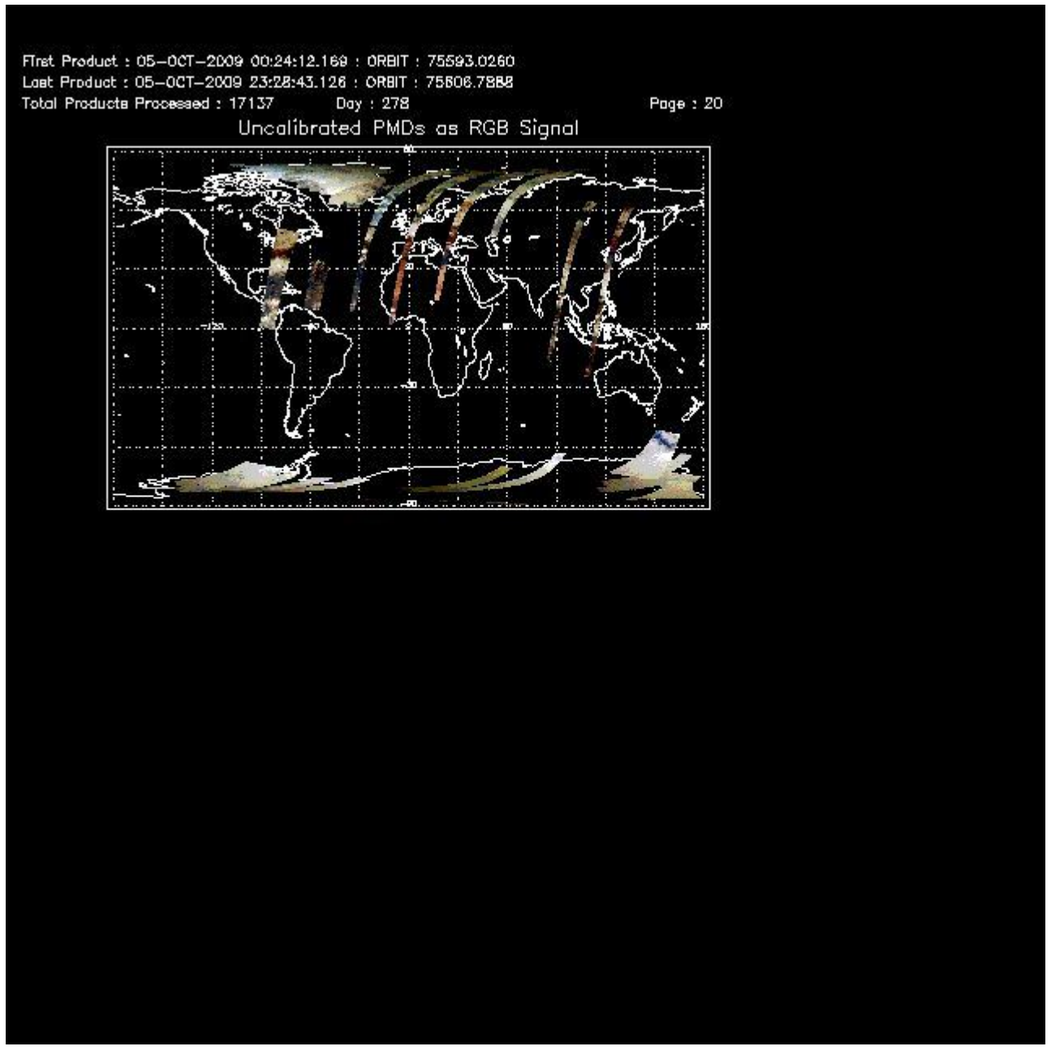
NEAR IR Intensity



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	14:11:41.220	--	75601	Yes	--	15264

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
16:00	14:00	75588	75601

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	75164	--

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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