GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-SEP-2009
Start Time of First Product	23:57:39 (03-SEP-2009)
Stop Time of Last Product	23:49:50
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 75160

1.2 - List of received products

Name	Date	Time
EGOI_090904BEEP0620.E2	04-SEP-2009	02:10:57.624
EGOI_090904BEEP0627.E2	04-SEP-2009	03:50:04.226
EGOI_090904GSEP8074.E2	04-SEP-2009	01:44:49.968
EGOI_090904GSEP8082.E2	04-SEP-2009	03:23:29.566
EGOI_090904GSEP8091.E2	04-SEP-2009	05:06:13.693
EGOI_090904HLEP3785.E2	04-SEP-2009	00:54:12.158
EGOI_090904HLEP3793.E2	04-SEP-2009	11:26:38.501
EGOI_090904KSEP9406.E2	04-SEP-2009	07:04:41.408
EGOI_090904KSEP9427.E2	04-SEP-2009	08:44:46.518

EGOI_090904KSEP9440.E2	04-SEP-2009	10:24:26.125
EGOI_090904KSEP9450.E2	04-SEP-2009	12:03:56.724
EGOI_090904KSEP9459.E2	04-SEP-2009	13:42:52.823
EGOI_090904KSEP9486.E2	04-SEP-2009	15:21:27.921
EGOI_090904KSEP9517.E2	04-SEP-2009	16:58:53.567
EGOI_090904KSEP9550.E2	04-SEP-2009	18:36:51.154
EGOI_090904KSEP9579.E2	04-SEP-2009	20:15:42.753
EGOI_090904KSEP9610.E2	04-SEP-2009	21:56:58.367
EGOI_090904KSEP9632.E2	04-SEP-2009	23:40:51.497
EGOI_090904MAEP3495.E2	04-SEP-2009	08:53:19.565
EGOI_090904MAEP3501.E2	04-SEP-2009	10:31:54.665
EGOI_090904MAEP3518.E2	04-SEP-2009	20:09:56.222
EGOI_090904MIEP8301.E2	04-SEP-2009	01:44:55.966
EGOI_090904MIEP8323.E2	04-SEP-2009	03:18:44.538
EGOI_090904MIEP8346.E2	04-SEP-2009	05:00:55.659
EGOI_090904MIEP8366.E2	04-SEP-2009	15:38:56.530
EGOI_090904MIEP8391.E2	04-SEP-2009	17:19:29.684
EGOI_090904MMEP7806.E2	04-SEP-2009	01:02:49.712
EGOI_090904MMEP7812.E2	04-SEP-2009	02:45:15.835
EGOI_090904MMEP7822.E2	04-SEP-2009	11:12:32.411
EGOI_090904MSEP6130.E2	03-SEP-2009	23:57:38.818
EGOI_090904MSEP6140.E2	04-SEP-2009	10:38:33.704
EGOI_090904MSEP6148.E2	04-SEP-2009	12:17:02.802
EGOI_090904MSEP6173.E2	04-SEP-2009	21:48:44.824
EGOI_090904MSEP6205.E2	04-SEP-2009	23:25:51.408
EGOI_090904SGEP9422.E2	04-SEP-2009	02:22:45.695
EGOI_090904SGEP9430.E2	04-SEP-2009	04:00:44.788

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75153	04-SEP-2009	07:02:46.138	07:04:41.407	115.26900
KS	75154	04-SEP-2009	08:42:13.254	08:44:46.518	153.26400
KS	75155	04-SEP-2009	10:21:50.825	10:24:26.125	155.30000
KS	75156	04-SEP-2009	12:01:17.869	12:03:56.724	158.85500
KS	75157	04-SEP-2009	13:40:16.117	13:42:52.822	156.70500
KS	75158	04-SEP-2009	15:18:30.488	15:21:27.921	177.43300
KS	75159	04-SEP-2009	16:56:11.972	16:58:53.566	161.59400
KS	75160	04-SEP-2009	18:34:16.737	18:36:51.153	154.41600
KS	75161	04-SEP-2009	20:13:37.578	20:15:42.752	125.17400
KS	75162	04-SEP-2009	21:54:54.465	21:56:58.367	123.90200
KS	75163	04-SEP-2009	23:38:58.615	23:40:51.497	112.88200

GS	75150	04-SEP-2009	01:42:50.094	01:44:49.967	119.87300
GS	75151	04-SEP-2009	03:21:18.243	03:23:29.566	131.32300
MS	75149	03-SEP-2009	23:55:18.549	23:57:38.818	140.26900
MS	75155	04-SEP-2009	10:35:51.966	10:38:33.703	161.73700
MS	75156	04-SEP-2009	12:14:24.034	12:17:02.802	158.76800
MS	75163	04-SEP-2009	23:23:29.059	23:25:51.407	142.34800
MA	75154	04-SEP-2009	08:51:17.206	08:53:19.565	122.35900
MA	75155	04-SEP-2009	10:29:51.977	10:31:54.664	122.68700
MA	75161	04-SEP-2009	20:06:25.509	20:09:56.222	210.71300
MI	75150	04-SEP-2009	01:43:03.304	01:44:55.965	112.66100
MI	75158	04-SEP-2009	15:36:31.190	15:38:56.529	145.33900
MI	75159	04-SEP-2009	17:17:02.503	17:19:29.684	147.18100
MM	75149	04-SEP-2009	01:01:21.567	01:02:49.712	88.145000
MM	75150	04-SEP-2009	02:44:00.276	02:45:15.835	75.559000
MM	75155	04-SEP-2009	11:10:52.991	11:12:32.410	99.419000
BE	75150	04-SEP-2009	02:08:10.114	02:10:57.623	167.50900
BE	75151	04-SEP-2009	03:47:22.061	03:50:04.225	162.16400
SG	75150	04-SEP-2009	02:20:41.207	02:22:45.695	124.48800
SG	75151	04-SEP-2009	03:58:21.750	04:00:44.787	143.03700

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75149	04-SEP-2009	00:12:47.623	00:16:50.239	242.61600
MM	75151	04-SEP-2009	04:27:05.369	04:33:14.041	368.67200
CM	75151	04-SEP-2009	03:16:14.247	03:26:58.912	644.66500
CM	75151	04-SEP-2009	04:55:25.937	05:06:06.083	640.14600
MM	75152	04-SEP-2009	06:09:20.181	06:15:27.598	367.41700
MM	75153	04-SEP-2009	07:50:20.132	07:58:32.551	492.41900
JO	75153	04-SEP-2009	07:28:08.444	07:42:04.943	836.49900
MM	75154	04-SEP-2009	09:30:44.854	09:41:11.806	626.95200
JO	75154	04-SEP-2009	09:07:30.632	09:21:11.852	821.22000
HO	75156	04-SEP-2009	12:59:23.288	13:14:12.702	889.41400
MM	75156	04-SEP-2009	12:50:47.692	13:03:25.857	758.16500
HO	75157	04-SEP-2009	14:39:42.818	14:50:47.517	664.69900
MM	75157	04-SEP-2009	14:30:27.642	14:43:10.439	762.79700

SG	75157	04-SEP-2009	14:53:59.839	15:07:12.233	792.39400
BE	75158	04-SEP-2009	15:04:37.740	15:16:44.135	726.39500
MM	75158	04-SEP-2009	16:09:51.274	16:22:25.464	754.19000
GS	75158	04-SEP-2009	15:30:33.223	15:44:16.325	823.10200
SG	75158	04-SEP-2009	16:34:24.468	16:45:00.140	635.67200
CM	75158	04-SEP-2009	15:39:57.083	15:50:48.560	651.47700
MM	75159	04-SEP-2009	17:49:01.663	18:01:33.956	752.29300
GS	75159	04-SEP-2009	17:10:18.413	17:22:39.844	741.43100
CM	75159	04-SEP-2009	17:19:14.229	17:29:47.652	633.42300
MM	75160	04-SEP-2009	19:28:11.889	19:40:52.268	760.37900
JO	75160	04-SEP-2009	19:48:13.191	20:01:30.711	797.52000
MM	75161	04-SEP-2009	21:07:44.025	21:20:26.716	762.69100
JO	75161	04-SEP-2009	21:27:04.190	21:41:17.419	853.22900
HO	75162	04-SEP-2009	22:39:46.746	22:52:34.710	767.96400
MM	75162	04-SEP-2009	22:48:00.730	23:00:16.792	736.06200
MA	75162	04-SEP-2009	21:47:01.222	21:58:48.510	707.28800

[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

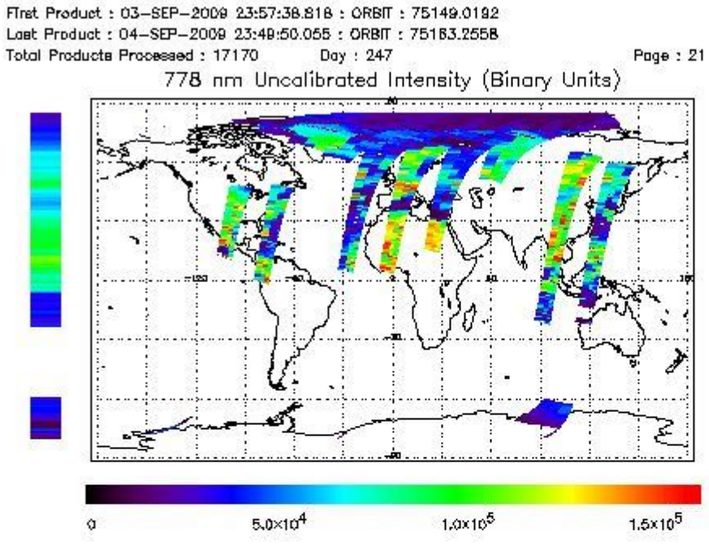
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel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

(1)

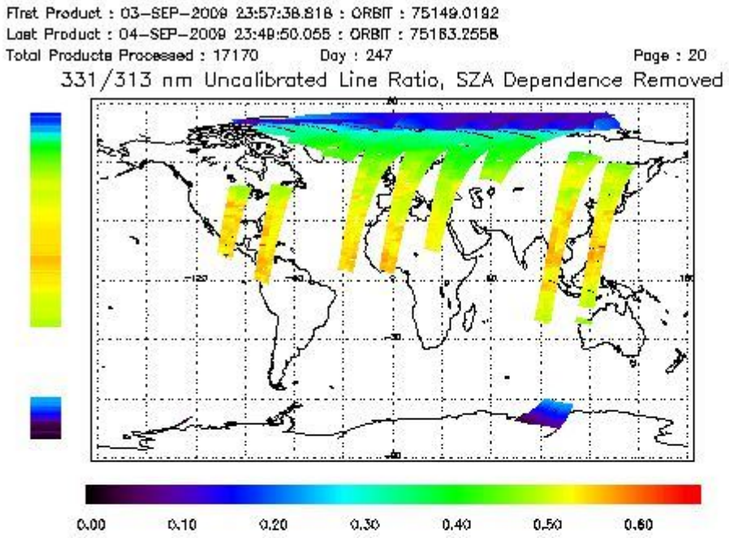
2.2 - Daily Plots

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

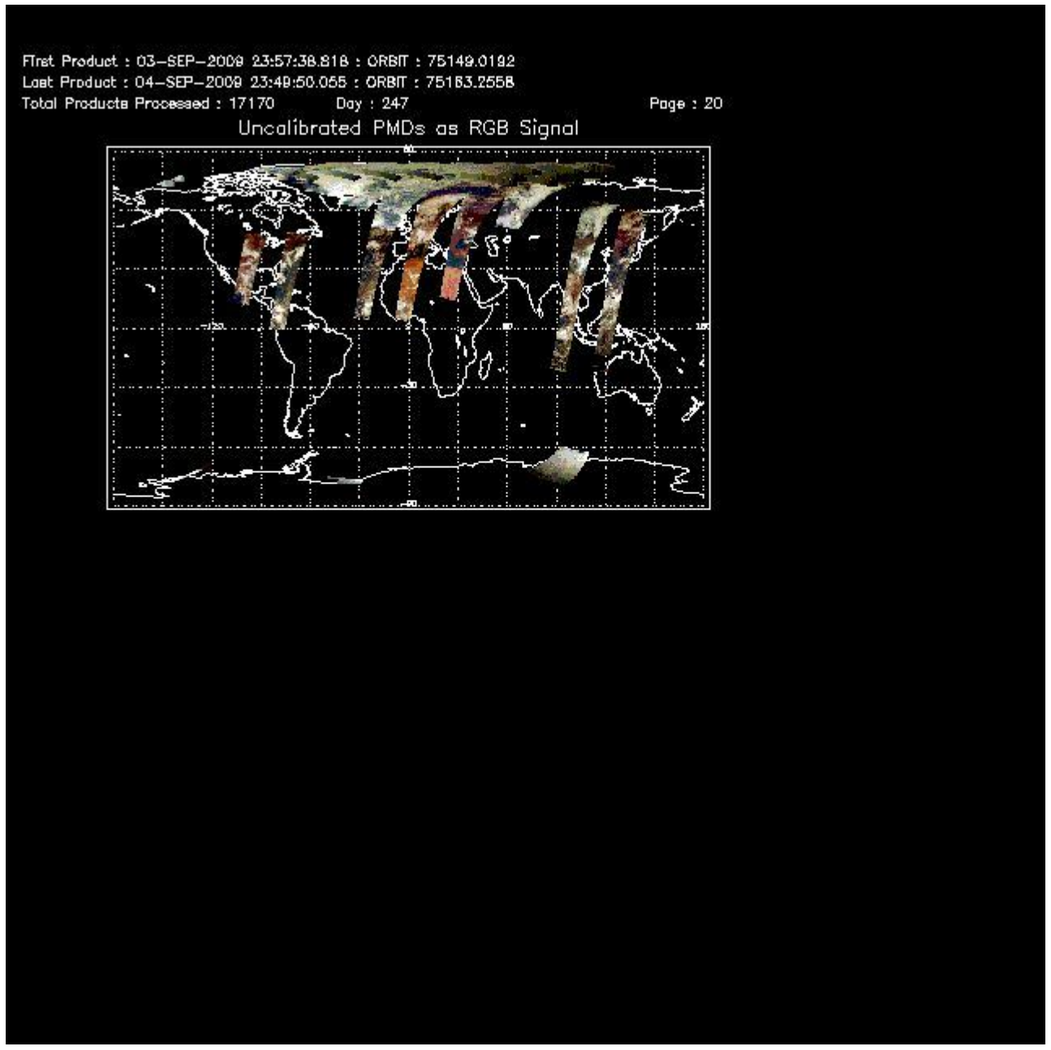
NEAR IR Intensity



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	17:03:22.090	--	75159	Y	--	14974

(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)
--	--	--	--	--	--	--	--

(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)
--	--	--	--	--

(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
18:30	--	75160	--

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