GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-OCT-2009
Start Time of First Product	23:57:40 (08-Oct)
Stop Time of Last Product	23:49:51
Number of EGOI Products analysed	30
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091009BEEP0868.E2	09-OCT-2009	03:50:05.111
EGOI_091009GSEP0314.E2	09-OCT-2009	01:44:43.347
EGOI_091009KSEP8455.E2	09-OCT-2009	07:04:48.302
EGOI_091009KSEP8476.E2	09-OCT-2009	08:44:47.418
EGOI_091009KSEP8495.E2	09-OCT-2009	10:24:27.029
EGOI_091009KSEP8521.E2	09-OCT-2009	12:03:57.636
EGOI_091009KSEP8541.E2	09-OCT-2009	13:42:53.742
EGOI_091009KSEP8569.E2	09-OCT-2009	15:21:27.338
EGOI_091009KSEP8590.E2	09-OCT-2009	16:59:14.437

EGOI_091009KSEP8623.E2	09-OCT-2009	18:36:51.040
EGOI_091009KSEP8652.E2	09-OCT-2009	20:15:42.639
EGOI_091009KSEP8683.E2	09-OCT-2009	21:56:58.262
EGOI_091009KSEP8707.E2	09-OCT-2009	23:42:15.409
EGOI_091009MAEP4696.E2	09-OCT-2009	08:52:26.465
EGOI_091009MAEP4707.E2	09-OCT-2009	10:31:54.068
EGOI_091009MAEP4726.E2	09-OCT-2009	20:09:15.600
EGOI_091009MIEP0930.E2	09-OCT-2009	01:44:55.347
EGOI_091009MIEP0952.E2	09-OCT-2009	03:18:45.419
EGOI_091009MIEP0975.E2	09-OCT-2009	05:00:56.550
EGOI_091009MIEP0995.E2	09-OCT-2009	15:38:55.951
EGOI_091009MIEP1020.E2	09-OCT-2009	17:19:32.562
EGOI_091009MSEP0030.E2	09-OCT-2009	23:25:51.303
EGOI_091009MSEP9921.E2	08-OCT-2009	23:57:39.690
EGOI_091009MSEP9940.E2	09-OCT-2009	10:38:34.611
EGOI_091009MSEP9969.E2	09-OCT-2009	12:17:05.210
EGOI_091009MSEP9996.E2	09-OCT-2009	21:48:32.707
EGOI_091009SGEP0272.E2	09-OCT-2009	02:22:45.079
EGOI_091009SGEP0280.E2	09-OCT-2009	04:00:45.678
EGOI_091009SGEP0288.E2	09-OCT-2009	14:56:33.189
EGOI_091009SGEP0296.E2	09-OCT-2009	16:37:08.308

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75654	09-OCT-2009	07:02:46.139	07:04:48.302	122.16300
KS	75655	09-OCT-2009	08:42:13.254	08:44:47.417	154.16300
KS	75656	09-OCT-2009	10:21:50.825	10:24:27.029	156.20400
KS	75657	09-OCT-2009	12:01:17.869	12:03:57.636	159.76700
KS	75658	09-OCT-2009	13:40:16.117	13:42:53.741	157.62400
KS	75659	09-OCT-2009	15:18:30.488	15:21:27.337	176.84900
KS	75660	09-OCT-2009	16:56:11.972	16:59:14.436	182.46400
KS	75661	09-OCT-2009	18:34:16.738	18:36:51.040	154.30200
KS	75662	09-OCT-2009	20:13:37.578	20:15:42.639	125.06100
KS	75663	09-OCT-2009	21:54:54.465	21:56:58.262	123.79700
KS	75664	09-OCT-2009	23:38:58.615	23:42:15.408	196.79300
GS	75651	09-OCT-2009	01:42:50.094	01:44:43.347	113.25300
MS	75664	09-OCT-2009	23:23:29.059	23:25:51.302	142.24300
MS	75650	08-OCT-2009	23:55:18.549	23:57:39.689	141.14000
MS	75656	09-OCT-2009	10:35:51.966	10:38:34.610	162.64400
MS	75657	09-OCT-2009	12:14:24.034	12:17:05.210	161.17600

MA	75655	09-OCT-2009	08:51:17.206	08:52:26.464	69.258000
MA	75656	09-OCT-2009	10:29:51.977	10:31:54.067	122.09000
MA	75662	09-OCT-2009	20:06:25.509	20:09:15.600	170.09100
MI	75651	09-OCT-2009	01:43:03.304	01:44:55.346	112.04200
MI	75659	09-OCT-2009	15:36:31.190	15:38:55.950	144.76000
MI	75660	09-OCT-2009	17:17:02.503	17:19:32.562	150.05900
BE	75652	09-OCT-2009	03:47:22.061	03:50:05.111	163.05000
SG	75651	09-OCT-2009	02:20:41.207	02:22:45.078	123.87100
SG	75652	09-OCT-2009	03:58:21.750	04:00:45.677	143.92700
SG	75658	09-OCT-2009	14:53:59.839	14:56:33.188	153.34900
SG	75659	09-OCT-2009	16:34:24.468	16:37:08.308	163.84000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75650	09-OCT-2009	00:49:31.322	01:03:24.489	833.16700
MM	75650	09-OCT-2009	01:01:21.567	01:11:50.253	628.68600
KS	75650	09-OCT-2009	00:12:47.623	00:16:50.239	242.61600
BE	75651	09-OCT-2009	02:08:10.114	02:20:23.840	733.72600
MM	75651	09-OCT-2009	02:44:00.276	02:52:14.913	494.63700
MM	75652	09-OCT-2009	04:27:05.369	04:33:14.041	368.67200
GS	75652	09-OCT-2009	03:21:18.243	03:34:59.534	821.29100
CM	75652	09-OCT-2009	03:16:14.247	03:26:58.912	644.66500
CM	75652	09-OCT-2009	04:55:25.937	05:06:06.083	640.14600
MM	75653	09-OCT-2009	06:09:20.181	06:15:27.598	367.41700
MM	75654	09-OCT-2009	07:50:20.133	07:58:32.552	492.41900
JO	75654	09-OCT-2009	07:28:08.445	07:42:04.944	836.49900
MM	75655	09-OCT-2009	09:30:44.854	09:41:11.806	626.95200
JO	75655	09-OCT-2009	09:07:30.632	09:21:11.852	821.22000
HO	75656	09-OCT-2009	11:21:21.068	11:31:59.542	638.47400
MM	75656	09-OCT-2009	11:10:52.991	11:22:50.554	717.56300
HO	75657	09-OCT-2009	12:59:23.288	13:14:12.702	889.41400
MM	75657	09-OCT-2009	12:50:47.692	13:03:25.857	758.16500
HO	75658	09-OCT-2009	14:39:42.818	14:50:47.517	664.69900
MM	75658	09-OCT-2009	14:30:27.642	14:43:10.439	762.79700
BE	75659	09-OCT-2009	15:04:37.740	15:16:44.135	726.39500

MM	75659	09-OCT-2009	16:09:51.274	16:22:25.464	754.19000
GS	75659	09-OCT-2009	15:30:33.223	15:44:16.325	823.10200
CM	75659	09-OCT-2009	15:39:57.083	15:50:48.560	651.47700
MM	75660	09-OCT-2009	17:49:01.663	18:01:33.956	752.29300
GS	75660	09-OCT-2009	17:10:18.413	17:22:39.844	741.43100
CM	75660	09-OCT-2009	17:19:14.229	17:29:47.652	633.42300
MM	75661	09-OCT-2009	19:28:11.890	19:40:52.269	760.37900
JO	75661	09-OCT-2009	19:48:13.192	20:01:30.712	797.52000
MM	75662	09-OCT-2009	21:07:44.025	21:20:26.716	762.69100
JO	75662	09-OCT-2009	21:27:04.190	21:41:17.419	853.22900
HO	75663	09-OCT-2009	22:39:46.746	22:52:34.710	767.96400
MM	75663	09-OCT-2009	22:48:00.730	23:00:16.792	736.06200
MA	75663	09-OCT-2009	21:47:01.222	21:58:48.510	707.28800

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1.5 - List of corrupted products

Station	Orbit	Time
MA	75662	10:09:18.559

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

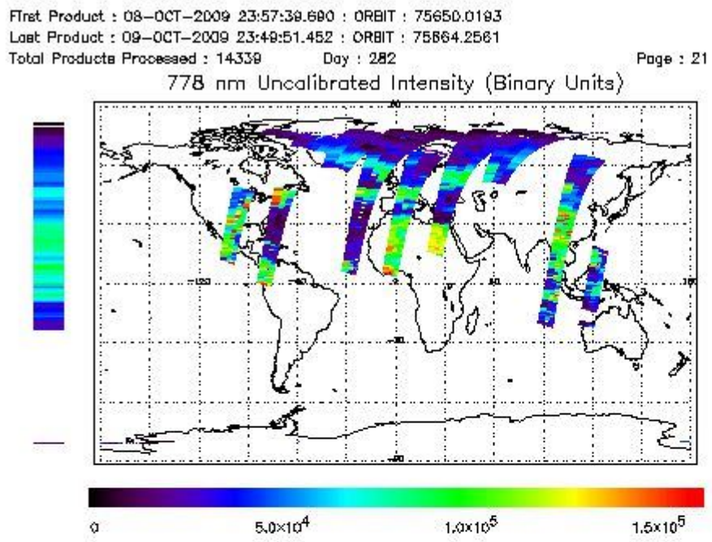
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

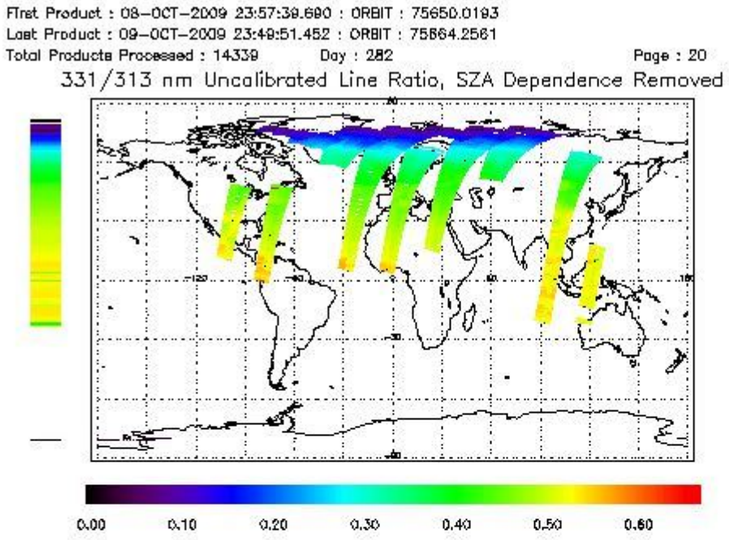
2.2 - Daily Plots

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

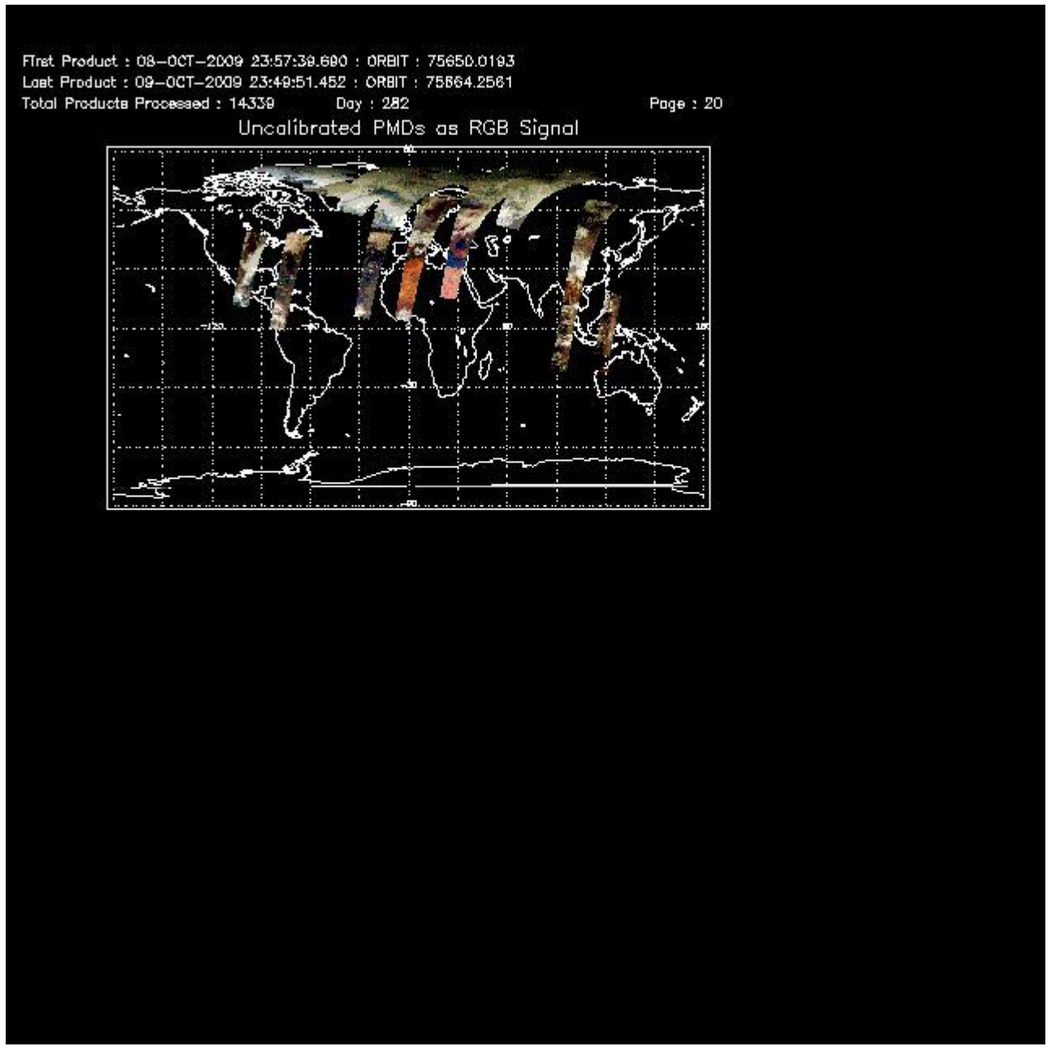
NEAR IR Intensity



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	15:26:72.870	--	75659	Yes	--	15273

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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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
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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