GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-JUL-2009
Start Time of First Product	23:48:47 (08 JUL)
Stop Time of Last Product	23:41:15
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal data

1.2 - List of received products

Name	Date	Time
EGOI_090709GSEP4133.E2	09-JUL-2009	01:36:34.132
EGOI_090709GSEP4160.E2	09-JUL-2009	03:14:34.726
EGOI_090709GSEP4170.E2	09-JUL-2009	04:57:33.847
EGOI_090709HLEP1973.E2	09-JUL-2009	14:35:37.349
EGOI_090709HLEP1981.E2	09-JUL-2009	22:36:01.259
EGOI_090709KSEP4267.E2	09-JUL-2009	00:05:17.073
EGOI_090709KSEP4284.E2	09-JUL-2009	06:56:09.065
EGOI_090709KSEP4305.E2	09-JUL-2009	08:36:08.171
EGOI_090709KSEP4328.E2	09-JUL-2009	10:15:47.772

EGOI_090709KSEP4354.E2	09-JUL-2009	11:55:19.878
EGOI_090709KSEP4374.E2	09-JUL-2009	13:34:15.982
EGOI_090709KSEP4403.E2	09-JUL-2009	15:12:58.575
EGOI_090709KSEP4424.E2	09-JUL-2009	16:50:27.665
EGOI_090709KSEP4451.E2	09-JUL-2009	18:28:20.759
EGOI_090709KSEP4483.E2	09-JUL-2009	20:07:07.861
EGOI_090709KSEP4515.E2	09-JUL-2009	21:48:14.474
EGOI_090709KSEP4536.E2	09-JUL-2009	23:31:30.103
EGOI_090709MAEP1482.E2	09-JUL-2009	08:44:29.221
EGOI_090709MIEP3545.E2	09-JUL-2009	03:10:03.195
EGOI_090709MIEP3570.E2	09-JUL-2009	04:51:15.808
EGOI_090709MIEP3592.E2	09-JUL-2009	15:29:54.177
EGOI_090709MIEP3619.E2	09-JUL-2009	17:10:18.790
EGOI_090709MSEP9676.E2	08-JUL-2009	23:48:46.975
EGOI_090709MSEP9701.E2	09-JUL-2009	10:30:14.858
EGOI_090709MSEP9730.E2	09-JUL-2009	12:08:13.952
EGOI_090709MSEP9757.E2	09-JUL-2009	21:40:27.927
EGOI_090709MSEP9789.E2	09-JUL-2009	23:17:10.517
EGOI_090709SGEP8203.E2	09-JUL-2009	02:14:46.355
EGOI_090709SGEP8210.E2	09-JUL-2009	03:51:54.445
EGOI_090709SGEP8220.E2	09-JUL-2009	14:50:19.439

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74333	09-JUL-2009	00:03:26.995	00:05:17.073	110.07800
KS	74337	09-JUL-2009	06:54:16.628	06:56:09.064	112.43600
KS	74338	09-JUL-2009	08:33:40.963	08:36:08.170	147.20700
KS	74339	09-JUL-2009	10:13:18.637	10:15:47.771	149.13400
KS	74340	09-JUL-2009	11:52:47.253	11:55:19.877	152.62400
KS	74341	09-JUL-2009	13:31:48.750	13:34:15.981	147.23100
KS	74342	09-JUL-2009	15:10:13.450	15:12:58.574	165.12400
KS	74343	09-JUL-2009	16:47:50.069	16:50:27.665	157.59600
KS	74344	09-JUL-2009	18:25:49.993	18:28:20.759	150.76600
KS	74345	09-JUL-2009	20:05:02.626	20:07:07.860	125.23400
KS	74346	09-JUL-2009	21:46:08.054	21:48:14.473	126.41900
KS	74347	09-JUL-2009	23:29:53.913	23:31:30.103	96.190000
GS	74334	09-JUL-2009	01:34:36.101	01:36:34.131	118.03000
GS	74335	09-JUL-2009	03:12:41.413	03:14:34.726	113.31300
MS	74333	08-JUL-2009	23:46:33.574	23:48:46.974	133.40000
MS	74339	09-JUL-2009	10:27:38.210	10:30:14.858	156.64800

MS	74340	09-JUL-2009	12:05:46.929	12:08:13.952	147.02300
MS	74347	09-JUL-2009	23:14:55.089	23:17:10.517	135.42800
MA	74338	09-JUL-2009	08:42:36.012	08:44:29.220	113.20800
MI	74335	09-JUL-2009	03:07:53.181	03:10:03.195	130.01400
MI	74336	09-JUL-2009	04:49:23.754	04:51:15.807	112.05300
MI	74342	09-JUL-2009	15:28:07.077	15:29:54.177	107.10000
MI	74343	09-JUL-2009	17:08:12.215	17:10:18.790	126.57500
SG	74334	09-JUL-2009	02:12:47.312	02:14:46.355	119.04300
SG	74335	09-JUL-2009	03:49:43.231	03:51:54.445	131.21400
SG	74341	09-JUL-2009	14:45:43.136	14:50:19.439	276.30300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74333	09-JUL-2009	00:40:48.125	00:54:59.711	851.58600
MM	74333	09-JUL-2009	00:52:36.325	01:03:14.729	638.40400
BE	74334	09-JUL-2009	01:59:48.570	02:11:35.128	706.55800
MM	74334	09-JUL-2009	02:35:10.543	02:43:37.590	507.04700
BE	74335	09-JUL-2009	03:38:46.249	03:51:40.523	774.27400
MM	74335	09-JUL-2009	04:18:15.989	04:24:32.332	376.34300
CM	74335	09-JUL-2009	03:08:07.776	03:18:10.881	603.10500
CM	74335	09-JUL-2009	04:46:36.453	04:57:51.962	675.50900
MM	74336	09-JUL-2009	06:00:37.769	06:06:38.694	360.92500
MM	74337	09-JUL-2009	07:41:42.552	07:49:42.569	480.01700
JO	74337	09-JUL-2009	07:19:54.515	07:33:24.721	810.20600
MM	74338	09-JUL-2009	09:22:09.210	09:32:26.031	616.82100
JO	74338	09-JUL-2009	08:58:44.868	09:12:51.854	846.98600
MM	74339	09-JUL-2009	11:02:18.530	11:14:10.383	711.85300
MA	74339	09-JUL-2009	10:21:21.997	10:33:34.076	732.07900
MM	74340	09-JUL-2009	12:42:14.411	12:54:50.788	756.37700
MM	74341	09-JUL-2009	14:21:55.702	14:34:38.969	763.26700
BE	74342	09-JUL-2009	14:55:51.336	15:08:21.188	749.85200
MM	74342	09-JUL-2009	16:01:20.727	16:13:55.596	754.86900
GS	74342	09-JUL-2009	15:22:04.839	15:35:37.794	812.95500
SG	74342	09-JUL-2009	16:25:28.548	16:36:57.420	688.87200
CM	74342	09-JUL-2009	15:31:46.187	15:41:55.446	609.25900

MM	74343	09-JUL-2009	17:40:31.897	17:53:03.860	751.96300
GS	74343	09-JUL-2009	17:01:41.775	17:14:24.185	762.41000
CM	74343	09-JUL-2009	17:10:28.923	17:21:37.723	668.80000
MM	74344	09-JUL-2009	19:19:41.356	19:32:20.952	759.59600
JO	74344	09-JUL-2009	19:39:58.244	19:52:38.372	760.12800
MM	74345	09-JUL-2009	20:59:10.669	21:11:53.977	763.30800
MA	74345	09-JUL-2009	19:58:05.951	20:11:21.982	796.03100
JO	74345	09-JUL-2009	21:18:27.072	21:32:58.333	871.26100
MM	74346	09-JUL-2009	22:39:22.802	22:51:42.800	739.99800
MA	74346	09-JUL-2009	21:37:41.032	21:50:26.395	765.36300

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1.5 - List of corrupted products

Station	Orbit	Time
SG	74342	16:09:43.257

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

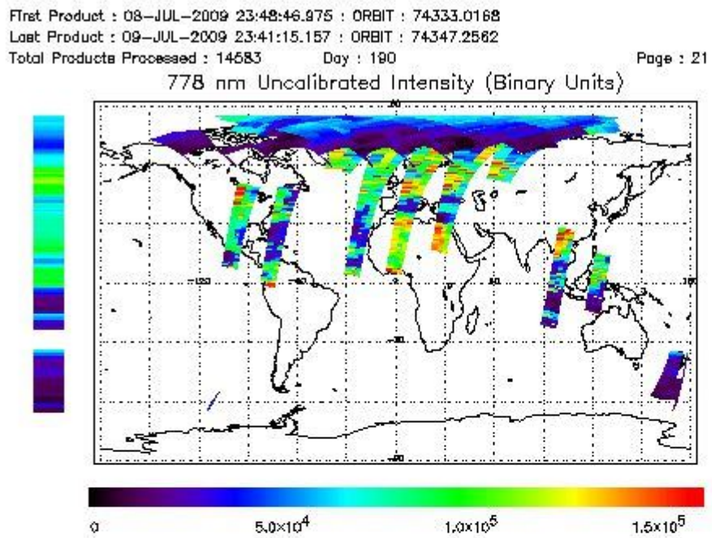
Selected Temperature B	Ok
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

(1)

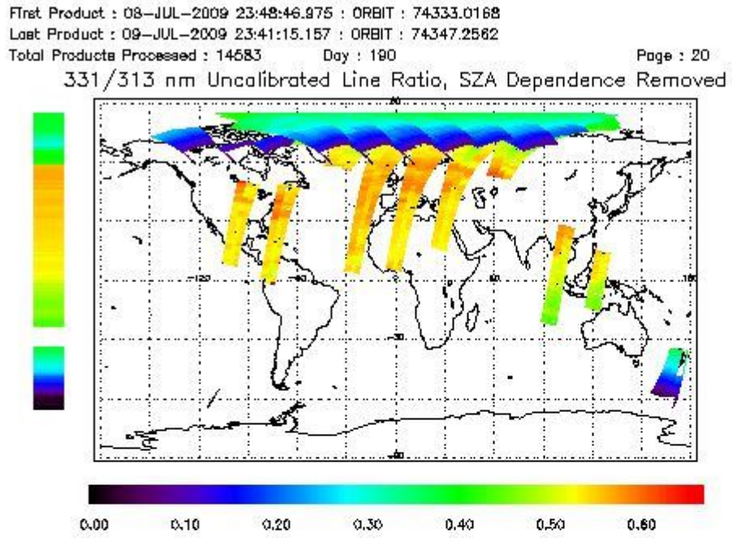
2.2 - Daily Plots

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

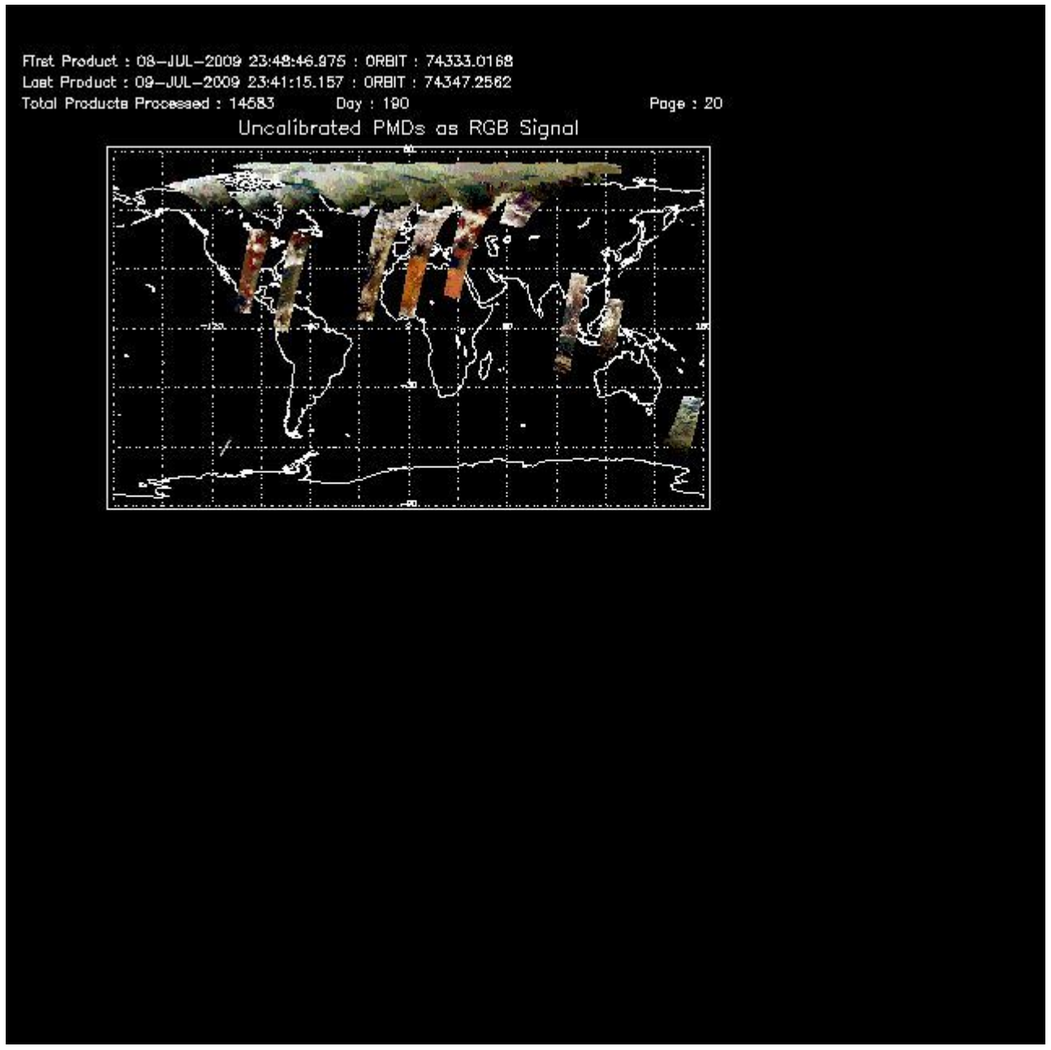
NEAR IR Intensity



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	16:50:27.660	--	74343	Y	--	14570

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/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	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

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

4.3 - Cooler Switchings

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

5.4 - Wrong Command Execution

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

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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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