GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	02-JUL-2009
Start Time of First Product	00:09:14
Stop Time of Last Product	23:50:42
Number of EGOI Products analysed	29
Number of corrupted products	
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090702GSEP3594.E2	02-JUL-2009	01:55:55.181
EGOI_090702GSEP3625.E2	02-JUL-2009	03:34:37.783
EGOI_090702GSEP3633.E2	02-JUL-2009	05:17:35.404
EGOI_090702HLEP1780.E2	02-JUL-2009	22:53:11.827
EGOI_090702KSEP2234.E2	02-JUL-2009	07:16:04.629
EGOI_090702KSEP2257.E2	02-JUL-2009	08:56:00.740
EGOI_090702KSEP2283.E2	02-JUL-2009	10:35:40.345
EGOI_090702KSEP2313.E2	02-JUL-2009	12:15:04.944
EGOI_090702KSEP2344.E2	02-JUL-2009	13:54:04.051

EGOI_090702KSEP2372.E2	02-JUL-2009	15:32:22.645
EGOI_090702KSEP2404.E2	02-JUL-2009	17:09:53.239
EGOI_090702KSEP2439.E2	02-JUL-2009	18:47:55.334
EGOI_090702KSEP2474.E2	02-JUL-2009	20:27:03.440
EGOI_090702MAEP1278.E2	02-JUL-2009	09:03:57.786
EGOI_090702MAEP1291.E2	02-JUL-2009	10:43:13.388
EGOI_090702MIEP2845.E2	02-JUL-2009	01:53:46.170
EGOI_090702MIEP2870.E2	02-JUL-2009	03:31:48.263
EGOI_090702MIEP2893.E2	02-JUL-2009	05:12:21.873
EGOI_090702MIEP2905.E2	02-JUL-2009	15:49:34.751
EGOI_090702MIEP2926.E2	02-JUL-2009	17:31:39.868
EGOI_090702MSEP8837.E2	02-JUL-2009	00:09:14.041
EGOI_090702MSEP8864.E2	02-JUL-2009	10:49:22.427
EGOI_090702MSEP8892.E2	02-JUL-2009	12:28:27.526
EGOI_090702MSEP8922.E2	02-JUL-2009	21:59:16.003
EGOI_090702MSEP8952.E2	02-JUL-2009	23:37:10.595
EGOI_090702SGEP8004.E2	02-JUL-2009	02:33:32.908
EGOI_090702SGEP8011.E2	02-JUL-2009	04:12:14.009
EGOI_090702SGEP8017.E2	02-JUL-2009	15:15:27.048
EGOI_090702SGEP8023.E2	02-JUL-2009	16:50:11.118

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74237	02-JUL-2009	07:14:06.285	07:16:04.628	118.34300
KS	74238	02-JUL-2009	08:53:36.392	08:56:00.740	144.34800
KS	74239	02-JUL-2009	10:33:13.621	10:35:40.345	146.72400
KS	74240	02-JUL-2009	12:12:38.361	12:15:04.943	146.58200
KS	74241	02-JUL-2009	13:51:32.987	13:54:04.050	151.06300
KS	74242	02-JUL-2009	15:29:40.271	15:32:22.645	162.37400
KS	74243	02-JUL-2009	17:07:22.240	17:09:53.239	150.99900
KS	74244	02-JUL-2009	18:45:33.286	18:47:55.334	142.04800
KS	74245	02-JUL-2009	20:25:05.506	20:27:03.439	117.93300
KS	74247	02-JUL-2009	23:51:09.328	23:52:40.688	91.360000
GS	74234	02-JUL-2009	01:53:51.975	01:55:55.180	123.20500
GS	74235	02-JUL-2009	03:32:50.702	03:34:37.782	107.08000
MS	74233	02-JUL-2009	00:07:04.285	00:09:14.041	129.75600
MS	74239	02-JUL-2009	10:46:51.040	10:49:22.426	151.38600
MS	74240	02-JUL-2009	12:25:52.583	12:28:27.525	154.94200
MS	74246	02-JUL-2009	21:57:13.105	21:59:16.003	122.89800

MS	74247	02-JUL-2009	23:34:58.677	23:37:10.595	131.91800
MA	74238	02-JUL-2009	09:02:46.155	09:03:57.785	71.630000
MA	74239	02-JUL-2009	10:41:16.588	10:43:13.388	116.80000
MI	74234	02-JUL-2009	01:52:29.209	01:53:46.169	76.960000
MI	74235	02-JUL-2009	03:27:35.614	03:31:48.262	252.64800
MI	74242	02-JUL-2009	15:47:46.654	15:49:34.751	108.09700
MI	74243	02-JUL-2009	17:28:57.437	17:31:39.868	162.43100
SG	74234	02-JUL-2009	02:31:24.672	02:33:32.907	128.23500
SG	74234	02-JUL-2009	02:38:43.438	02:43:00.804	257.36600
SG	74235	02-JUL-2009	04:09:58.001	04:12:14.009	136.00800
SG	74235	02-JUL-2009	04:16:05.032	04:22:40.273	395.24100
SG	74242	02-JUL-2009	16:46:30.208	16:50:11.117	220.90900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74233	02-JUL-2009	01:01:10.966	01:14:35.847	804.88100
MM	74233	02-JUL-2009	01:13:02.610	01:23:17.798	615.18800
KS	74233	02-JUL-2009	00:25:42.625	00:27:23.581	100.95600
BE	74234	02-JUL-2009	02:19:21.775	02:32:03.905	762.13000
MM	74234	02-JUL-2009	02:55:46.937	03:03:45.037	478.10000
BE	74235	02-JUL-2009	03:58:51.491	04:11:03.556	732.06500
MM	74235	02-JUL-2009	04:38:50.569	04:44:50.582	360.01300
CM	74235	02-JUL-2009	03:27:10.195	03:38:37.224	687.02900
CM	74235	02-JUL-2009	05:07:20.384	05:16:57.324	576.94000
MM	74236	02-JUL-2009	06:20:55.811	06:27:13.441	377.63000
MM	74237	02-JUL-2009	08:01:49.873	08:10:18.830	508.95700
JO	74237	02-JUL-2009	07:39:11.655	07:53:35.766	864.11100
MM	74238	02-JUL-2009	09:42:12.201	09:52:52.117	639.91600
JO	74238	02-JUL-2009	09:19:17.252	09:32:14.262	777.01000
MM	74239	02-JUL-2009	11:22:18.786	11:34:23.375	724.58900
MM	74240	02-JUL-2009	13:02:11.897	13:14:52.029	760.13200
HO	74241	02-JUL-2009	14:51:19.936	15:01:02.249	582.31300
MM	74241	02-JUL-2009	14:41:50.037	14:54:32.061	762.02400
GS	74241	02-JUL-2009	14:04:17.487	14:12:37.032	499.54500
BE	74242	02-JUL-2009	15:16:24.767	15:27:51.533	686.76600

MM	74242	02-JUL-2009	16:21:11.838	16:33:45.222	753.38400
GS	74242	02-JUL-2009	15:41:52.420	15:55:44.409	831.98900
CM	74242	02-JUL-2009	15:50:58.360	16:02:31.731	693.37100
MM	74243	02-JUL-2009	18:00:21.342	18:12:54.209	752.86700
GS	74243	02-JUL-2009	17:21:48.511	17:33:37.438	708.92700
CM	74243	02-JUL-2009	17:31:01.011	17:40:32.875	571.86400
MM	74244	02-JUL-2009	19:39:32.856	19:52:14.213	761.35700
MA	74244	02-JUL-2009	18:44:46.005	18:48:51.798	245.79300
JO	74244	02-JUL-2009	19:59:17.784	20:13:14.486	836.70200
MM	74245	02-JUL-2009	21:19:09.014	21:31:50.547	761.53300
MA	74245	02-JUL-2009	20:17:34.838	20:31:22.265	827.42700
JO	74245	02-JUL-2009	21:38:36.359	21:52:18.393	822.03400
MM	74246	02-JUL-2009	22:59:32.006	23:11:42.268	730.26200
MA	74246	02-JUL-2009	21:58:48.609	22:09:54.419	665.81000
KS	74246	02-JUL-2009	22:06:38.173	22:18:30.706	712.53300

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time
SG	74234	02:33:55.411
MI	74236	05:12:24.872

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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

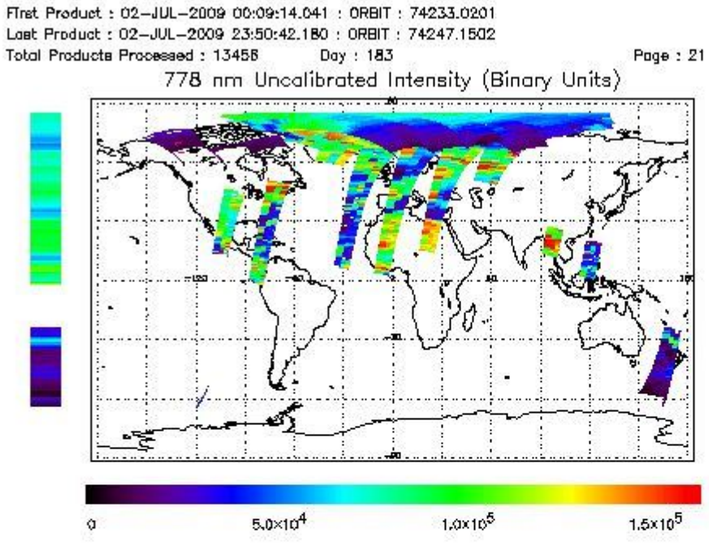
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	Ok
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 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)

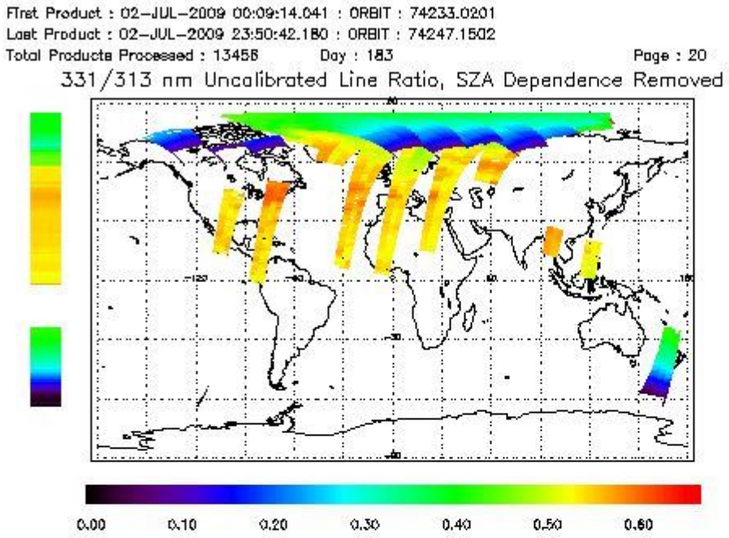
2.2 - Daily Plots

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

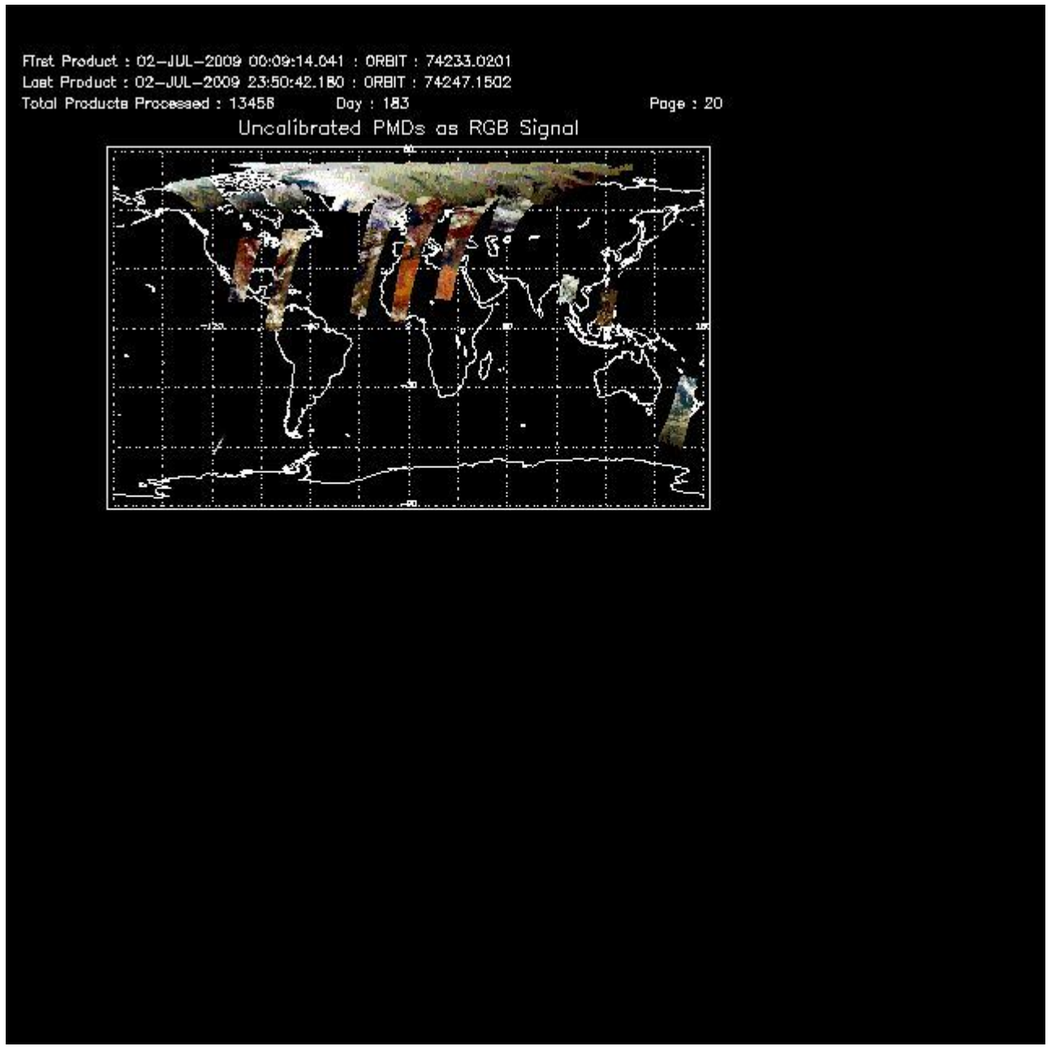
NEAR IR Intensity



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	17:10:00.730	--	74243	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)

[BACK TO MENU]

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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