GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-JUL-2009
Start Time of First Product	23:47:55 (13-JUL)
Stop Time of Last Product	23:29:08
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090714BEEP0194.E2	14-JUL-2009	04:24:33.784
EGOI_090714GSEP4503.E2	14-JUL-2009	02:18:04.519
EGOI_090714GSEP4528.E2	14-JUL-2009	03:58:11.124
EGOI_090714GSEP4535.E2	14-JUL-2009	05:40:44.749
EGOI_090714HLEP2149.E2	13-JUL-2009	23:47:54.612
EGOI_090714HLEP2157.E2	14-JUL-2009	01:28:56.721
EGOI_090714HLEP2168.E2	14-JUL-2009	21:43:29.459
EGOI_090714HLEP2174.E2	14-JUL-2009	23:17:13.530
EGOI_090714KSEP5688.E2	14-JUL-2009	07:38:51.467

EGOI_090714KSEP5711.E2	14-JUL-2009	09:18:52.073
EGOI_090714KSEP5738.E2	14-JUL-2009	10:58:30.179
EGOI_090714KSEP5766.E2	14-JUL-2009	12:37:47.281
EGOI_090714KSEP5790.E2	14-JUL-2009	14:16:43.381
EGOI_090714KSEP5809.E2	14-JUL-2009	15:54:31.972
EGOI_090714KSEP5838.E2	14-JUL-2009	17:32:29.437
EGOI_090714KSEP5868.E2	14-JUL-2009	19:10:21.036
EGOI_090714KSEP5902.E2	14-JUL-2009	20:50:06.638
EGOI_090714KSEP5922.E2	14-JUL-2009	22:32:10.260
EGOI_090714MAEP1627.E2	14-JUL-2009	09:26:29.620
EGOI_090714MAEP1635.E2	14-JUL-2009	11:06:12.222
EGOI_090714MAEP1648.E2	14-JUL-2009	19:08:33.024
EGOI_090714MAEP1661.E2	14-JUL-2009	22:24:50.717
EGOI_090714MIEP4064.E2	14-JUL-2009	02:15:36.003
EGOI_090714MIEP4076.E2	14-JUL-2009	03:53:32.101
EGOI_090714MSEP0281.E2	14-JUL-2009	00:33:08.385
EGOI_090714MSEP0303.E2	14-JUL-2009	11:11:42.257
EGOI_090714MSEP0328.E2	14-JUL-2009	12:51:36.863
EGOI_090714MSEP0352.E2	14-JUL-2009	22:21:08.690
EGOI_090714SGEP8325.E2	14-JUL-2009	02:55:54.249
EGOI_090714SGEP8333.E2	14-JUL-2009	04:35:35.351
EGOI_090714SGEP8341.E2	14-JUL-2009	13:54:49.248
EGOI_090714SGEP8348.E2	14-JUL-2009	15:39:51.386

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74409	14-JUL-2009	07:36:48.594	07:38:51.467	122.87300
KS	74410	14-JUL-2009	09:16:22.840	09:18:52.073	149.23300
KS	74411	14-JUL-2009	10:55:58.706	10:58:30.178	151.47200
KS	74412	14-JUL-2009	12:35:18.101	12:37:47.281	149.18000
KS	74413	14-JUL-2009	14:14:09.877	14:16:43.381	153.50400
KS	74414	14-JUL-2009	15:52:00.776	15:54:31.972	151.19600
KS	74415	14-JUL-2009	17:29:55.435	17:32:29.437	154.00200
KS	74416	14-JUL-2009	19:08:09.682	19:10:21.035	131.35300
KS	74417	14-JUL-2009	20:48:06.112	20:50:06.637	120.52500
KS	74418	14-JUL-2009	22:30:12.246	22:32:10.259	118.01300
GS	74406	14-JUL-2009	02:16:48.933	02:18:04.518	75.585000
GS	74407	14-JUL-2009	03:56:08.240	03:58:11.123	122.88300
MS	74405	14-JUL-2009	00:31:01.767	00:33:08.385	126.61800
MS	74411	14-JUL-2009	11:09:05.065	11:11:42.257	157.19200

MS	74412	14-JUL-2009	12:49:04.845	12:51:36.862	152.01700
MS	74418	14-JUL-2009	22:18:57.671	22:21:08.689	131.01800
MA	74410	14-JUL-2009	09:24:32.318	09:26:29.620	117.30200
MA	74411	14-JUL-2009	11:04:58.449	11:06:12.221	73.772000
MA	74416	14-JUL-2009	19:05:58.016	19:08:33.023	155.00700
MA	74418	14-JUL-2009	22:23:31.554	22:24:50.716	79.162000
MI	74406	14-JUL-2009	02:13:12.135	02:15:36.003	143.86800
MI	74407	14-JUL-2009	03:50:25.778	03:53:32.100	186.32200
MI	74407	14-JUL-2009	04:01:36.646	04:03:33.318	116.67200
BE	74407	14-JUL-2009	04:21:57.052	04:24:33.784	156.73200
SG	74406	14-JUL-2009	02:53:18.266	02:55:54.249	155.98300
SG	74406	14-JUL-2009	03:03:13.790	03:06:25.055	191.26500
SG	74407	14-JUL-2009	04:33:31.444	04:35:35.350	123.90600
SG	74407	14-JUL-2009	04:42:45.892	04:44:22.062	96.170000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74405	14-JUL-2009	01:36:27.089	01:46:13.553	586.46400
GS	74405	14-JUL-2009	00:40:47.639	00:48:39.812	472.17300
BE	74406	14-JUL-2009	02:41:53.105	02:55:09.467	796.36200
MM	74406	14-JUL-2009	03:19:21.108	03:26:46.708	445.60000
CM	74406	14-JUL-2009	03:49:22.528	04:01:38.355	735.82700
MM	74407	14-JUL-2009	05:02:18.263	05:08:07.092	348.82900
MM	74408	14-JUL-2009	06:44:04.229	06:50:46.737	402.50800
KS	74408	14-JUL-2009	05:58:10.509	06:02:58.015	287.50600
CM	74408	14-JUL-2009	05:31:59.633	05:37:52.290	352.65700
JO	74408	14-JUL-2009	06:26:56.998	06:34:15.819	438.82100
MM	74409	14-JUL-2009	08:24:48.256	08:33:49.878	541.62200
JO	74409	14-JUL-2009	08:01:32.544	08:16:28.822	896.27800
MM	74410	14-JUL-2009	10:05:06.322	10:16:10.213	663.89100
JO	74410	14-JUL-2009	09:43:15.594	09:53:58.611	643.01700
HO	74411	14-JUL-2009	11:54:36.305	12:07:41.221	784.91600
MM	74411	14-JUL-2009	11:45:09.856	11:57:26.539	736.68300
HO	74412	14-JUL-2009	13:33:31.637	13:48:11.179	879.54200
MM	74412	14-JUL-2009	13:24:59.726	13:37:42.481	762.75500

BE	74413	14-JUL-2009	13:58:29.206	14:11:52.264	803.05800
HO	74413	14-JUL-2009	15:14:42.018	15:22:49.044	487.02600
MM	74413	14-JUL-2009	15:04:34.166	15:17:14.287	760.12100
MI	74413	14-JUL-2009	14:33:37.237	14:41:23.048	465.81100
GS	74413	14-JUL-2009	14:26:08.553	14:36:54.929	646.37600
BE	74414	14-JUL-2009	15:40:21.416	15:49:50.674	569.25800
MM	74414	14-JUL-2009	16:43:52.461	16:56:24.638	752.17700
MI	74414	14-JUL-2009	16:10:27.784	16:23:46.397	798.61300
GS	74414	14-JUL-2009	16:04:34.886	16:18:29.906	835.02000
CM	74414	14-JUL-2009	16:13:18.472	16:25:37.210	738.73800
MM	74415	14-JUL-2009	18:23:00.782	18:35:35.195	754.41300
MI	74415	14-JUL-2009	17:53:58.534	17:57:06.997	188.46300
GS	74415	14-JUL-2009	17:44:53.900	17:55:20.336	626.43600
CM	74415	14-JUL-2009	17:55:12.656	18:01:19.000	366.34400
MM	74416	14-JUL-2009	20:02:15.790	20:14:58.764	762.97400
JO	74416	14-JUL-2009	20:21:39.427	20:36:24.911	885.48400
MM	74417	14-JUL-2009	21:42:00.883	21:54:38.815	757.93200
MA	74417	14-JUL-2009	20:40:04.378	20:53:45.583	821.20500
JO	74417	14-JUL-2009	22:01:51.685	22:14:02.751	731.06600
MM	74418	14-JUL-2009	23:22:37.035	23:34:33.740	716.70500
MS	74419	14-JUL-2009	23:58:14.330	00:10:28.139	733.80900

[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

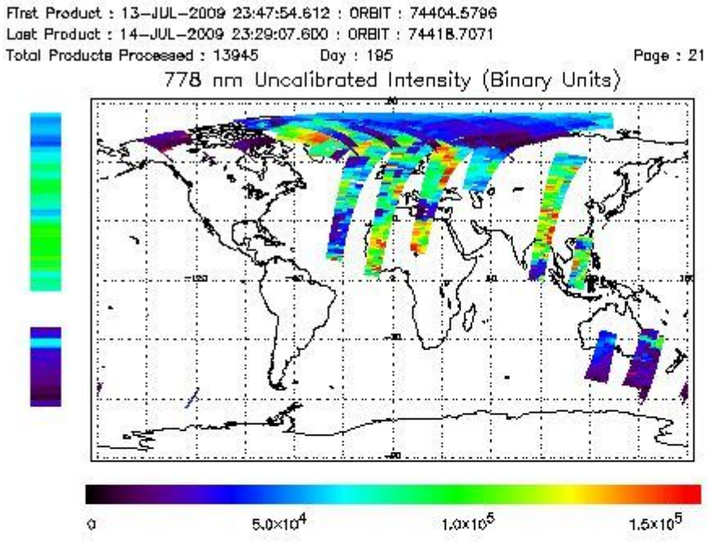
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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)

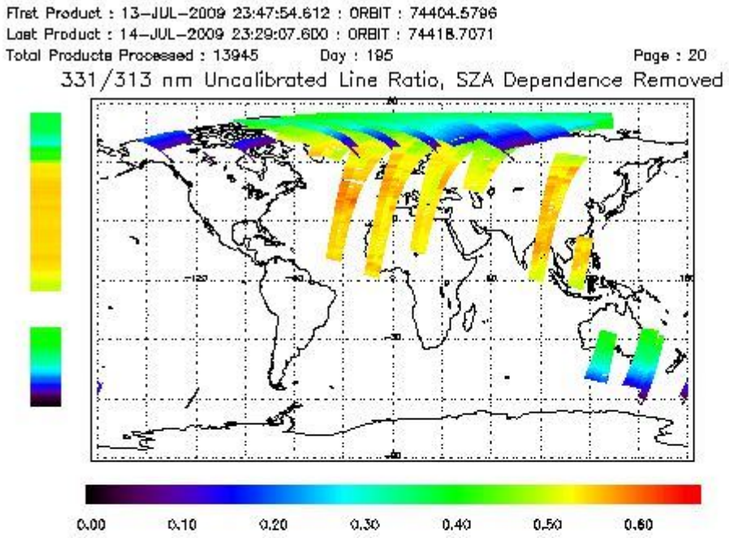
2.2 - Daily Plots

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

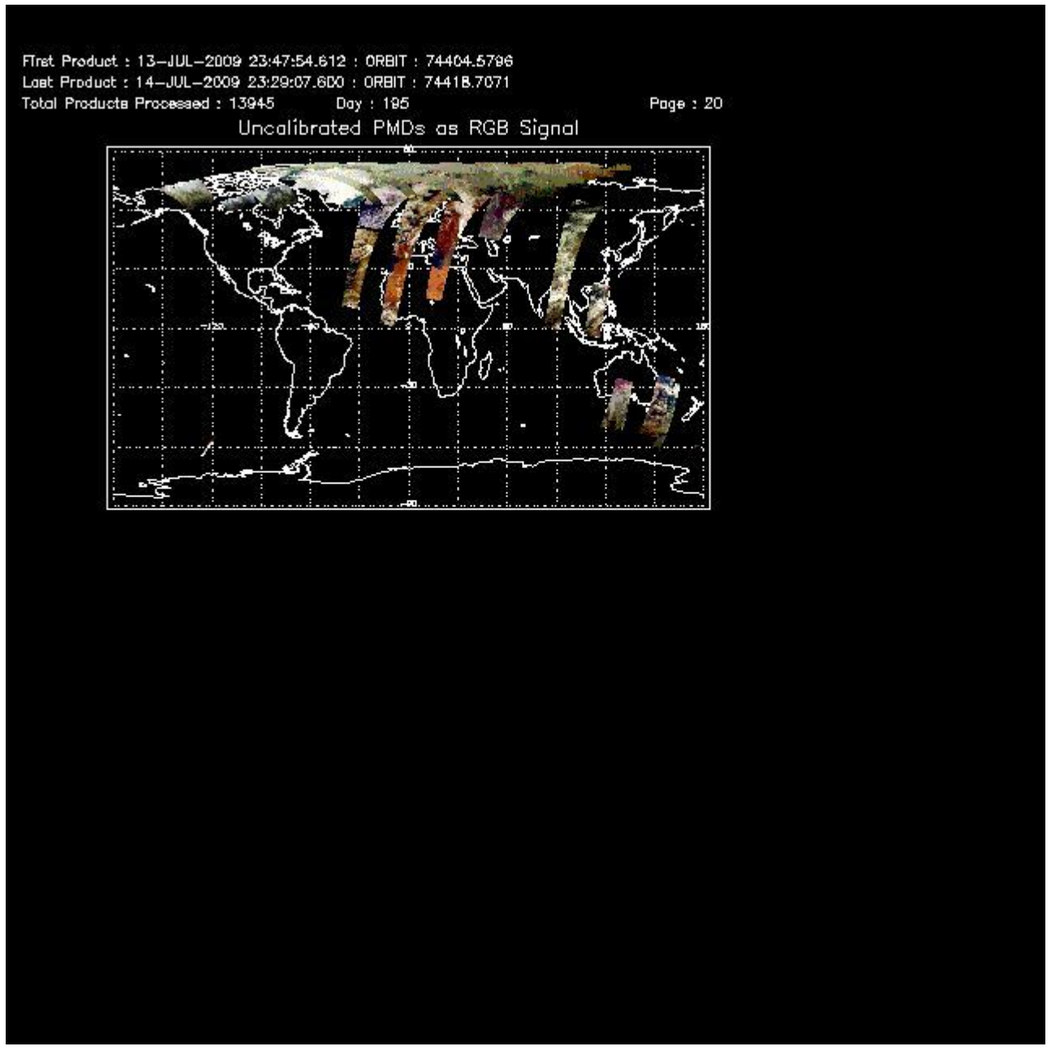
NEAR IR Intensity



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	17:33:23.440	--	74415	Y	--	4650

(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	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)
--	--	--

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

(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
19:00	--	74416	--

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