GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-JUL-2009
Start Time of First Product	00:24:55
Stop Time of Last Product	23:21:24
Number of EGOI Products analysed	41
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090716GSEP4608.E2	16-JUL-2009	01:18:57.519
EGOI_090716GSEP4639.E2	16-JUL-2009	02:54:56.601
EGOI_090716GSEP4667.E2	16-JUL-2009	04:36:42.218
EGOI_090716HLEP2214.E2	16-JUL-2009	00:24:49.683
EGOI_090716HLEP2223.E2	16-JUL-2009	02:08:47.316
EGOI_090716HLEP2230.E2	16-JUL-2009	10:59:50.543
EGOI_090716HLEP2238.E2	16-JUL-2009	12:35:42.126
EGOI_090716HLEP2245.E2	16-JUL-2009	14:15:27.729
EGOI_090716HLEP2255.E2	16-JUL-2009	22:17:15.655

EGOI_090716KSEP6242.E2	16-JUL-2009	06:36:18.937
EGOI_090716KSEP6272.E2	16-JUL-2009	08:16:16.546
EGOI_090716KSEP6296.E2	16-JUL-2009	09:55:53.152
EGOI_090716KSEP6321.E2	16-JUL-2009	11:35:29.762
EGOI_090716KSEP6353.E2	16-JUL-2009	13:14:33.360
EGOI_090716KSEP6367.E2	16-JUL-2009	14:53:17.459
EGOI_090716KSEP6386.E2	16-JUL-2009	16:30:57.054
EGOI_090716KSEP6417.E2	16-JUL-2009	18:08:56.149
EGOI_090716KSEP6452.E2	16-JUL-2009	19:47:11.747
EGOI_090716KSEP6478.E2	16-JUL-2009	21:27:55.857
EGOI_090716KSEP6499.E2	16-JUL-2009	23:10:42.979
EGOI_090716MAEP1721.E2	16-JUL-2009	10:03:20.199
EGOI_090716MAEP1734.E2	16-JUL-2009	11:44:38.817
EGOI_090716MAEP1751.E2	16-JUL-2009	21:20:10.807
EGOI_090716MIEP4192.E2	16-JUL-2009	02:50:52.074
EGOI_090716MIEP4220.E2	16-JUL-2009	04:30:43.679
EGOI_090716MIEP4248.E2	16-JUL-2009	15:11:31.074
EGOI_090716MIEP4276.E2	16-JUL-2009	16:50:16.667
EGOI_090716MMEP5830.E2	16-JUL-2009	03:58:40.480
EGOI_090716MMEP5837.E2	16-JUL-2009	05:41:03.601
EGOI_090716MMEP5846.E2	16-JUL-2009	07:22:40.222
EGOI_090716MMEP5855.E2	16-JUL-2009	12:23:51.056
EGOI_090716MMEP5866.E2	16-JUL-2009	19:02:12.969
EGOI_090716MSEP0498.E2	16-JUL-2009	10:11:09.746
EGOI_090716MSEP0520.E2	16-JUL-2009	11:48:25.340
EGOI_090716MSEP0541.E2	16-JUL-2009	13:30:01.958
EGOI_090716MSEP0556.E2	16-JUL-2009	21:22:33.322
EGOI_090716MSEP0586.E2	16-JUL-2009	22:57:15.897
EGOI_090716SGEP8395.E2	16-JUL-2009	01:57:50.249
EGOI_090716SGEP8402.E2	16-JUL-2009	03:32:46.324
EGOI_090716SGEP8411.E2	16-JUL-2009	14:29:06.814
EGOI_090716SGEP8418.E2	16-JUL-2009	16:07:44.913

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74437	16-JUL-2009	06:34:30.564	06:36:18.937	108.37300
KS	74438	16-JUL-2009	08:13:45.939	08:16:16.545	150.60600
KS	74439	16-JUL-2009	09:53:23.290	09:55:53.152	149.86200
KS	74440	16-JUL-2009	11:32:55.073	11:35:29.761	154.68800
KS	74441	16-JUL-2009	13:12:03.585	13:14:33.359	149.77400
KS	74442	16-JUL-2009	14:50:43.083	14:53:17.459	154.37600
KS	74443	16-JUL-2009	16:28:22.197	16:30:57.053	154.85600

KS	74444	16-JUL-2009	18:06:09.645	18:08:56.149	166.50400
KS	74445	16-JUL-2009	19:45:04.251	19:47:11.747	127.49600
KS	74446	16-JUL-2009	21:25:44.115	21:27:55.856	131.74100
KS	74447	16-JUL-2009	23:08:51.586	23:10:42.979	111.39300
GS	74434	16-JUL-2009	01:15:32.131	01:18:57.518	205.38700
GS	74435	16-JUL-2009	02:52:43.376	02:54:56.601	133.22500
GS	74436	16-JUL-2009	04:34:45.469	04:36:42.218	116.74900
MS	74439	16-JUL-2009	10:08:38.763	10:11:09.745	150.98200
MS	74440	16-JUL-2009	11:45:49.136	11:48:25.339	156.20300
MS	74441	16-JUL-2009	13:27:40.105	13:30:01.957	141.85200
MS	74447	16-JUL-2009	22:55:06.205	22:57:15.896	129.69100
MA	74439	16-JUL-2009	10:01:25.952	10:03:20.199	114.24700
MA	74440	16-JUL-2009	11:42:55.031	11:44:38.816	103.78500
MA	74446	16-JUL-2009	21:17:25.249	21:20:10.806	165.55700
MI	74435	16-JUL-2009	02:48:26.575	02:50:52.073	145.49800
MI	74436	16-JUL-2009	04:28:21.463	04:30:43.678	142.21500
MI	74442	16-JUL-2009	15:08:40.688	15:11:31.074	170.38600
MI	74443	16-JUL-2009	16:47:48.006	16:50:16.667	148.66100
MM	74435	16-JUL-2009	03:57:39.545	03:58:40.480	60.935000
MM	74437	16-JUL-2009	07:21:33.826	07:22:40.222	66.396000
MM	74440	16-JUL-2009	12:22:16.341	12:23:51.055	94.714000
MM	74444	16-JUL-2009	18:59:50.654	19:02:12.969	142.31500
SG	74435	16-JUL-2009	03:29:44.373	03:32:46.323	181.95000
SG	74435	16-JUL-2009	03:38:02.855	03:43:37.315	334.46000
SG	74435	16-JUL-2009	03:29:44.373	03:32:46.323	181.95000
SG	74435	16-JUL-2009	03:38:02.855	03:43:37.315	334.46000
SG	74441	16-JUL-2009	14:26:40.285	14:29:06.813	146.52800
SG	74442	16-JUL-2009	16:04:56.853	16:07:44.912	168.05900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74433	16-JUL-2009	00:32:12.607	00:43:12.273	659.66600
MM	74434	16-JUL-2009	02:14:35.579	02:23:31.305	535.72600
BE	74435	16-JUL-2009	03:18:46.591	03:32:04.956	798.36500
CM	74435	16-JUL-2009	02:49:38.510	02:57:17.351	458.84100

CM	74435	16-JUL-2009	04:26:17.346	04:38:24.997	727.65100
JO	74437	16-JUL-2009	07:00:55.356	07:13:02.431	727.07500
MM	74438	16-JUL-2009	09:02:05.574	09:11:57.474	591.90000
MA	74438	16-JUL-2009	08:22:51.460	08:34:14.388	682.92800
JO	74438	16-JUL-2009	08:38:30.064	08:53:16.634	886.57000
MM	74439	16-JUL-2009	10:42:17.745	10:53:54.782	697.03700
BE	74441	16-JUL-2009	12:57:21.424	13:08:49.660	688.23600
MM	74441	16-JUL-2009	14:02:00.710	14:14:44.606	763.89600
BE	74442	16-JUL-2009	14:35:34.169	14:48:41.332	787.16300
MM	74442	16-JUL-2009	15:41:29.019	15:54:05.652	756.63300
GS	74442	16-JUL-2009	15:02:22.588	15:15:18.992	776.40400
CM	74442	16-JUL-2009	15:13:06.924	15:20:43.236	456.31200
MM	74443	16-JUL-2009	17:20:42.346	17:33:13.902	751.55600
GS	74443	16-JUL-2009	16:41:39.059	16:54:59.867	800.80800
CM	74443	16-JUL-2009	16:50:15.380	17:02:18.644	723.26400
GS	74444	16-JUL-2009	18:22:50.796	18:29:51.193	420.39700
JO	74444	16-JUL-2009	19:20:59.700	19:31:36.531	636.83100
MM	74445	16-JUL-2009	20:39:14.057	20:51:58.043	763.98600
MA	74445	16-JUL-2009	19:38:48.826	19:50:55.072	726.24600
JO	74445	16-JUL-2009	20:58:26.591	21:13:23.463	896.87200
MM	74446	16-JUL-2009	22:19:16.021	22:31:43.884	747.86300
JO	74446	16-JUL-2009	22:40:35.775	22:48:04.250	448.47500
HO	74447	16-JUL-2009	23:49:30.004	00:03:57.669	867.66500

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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

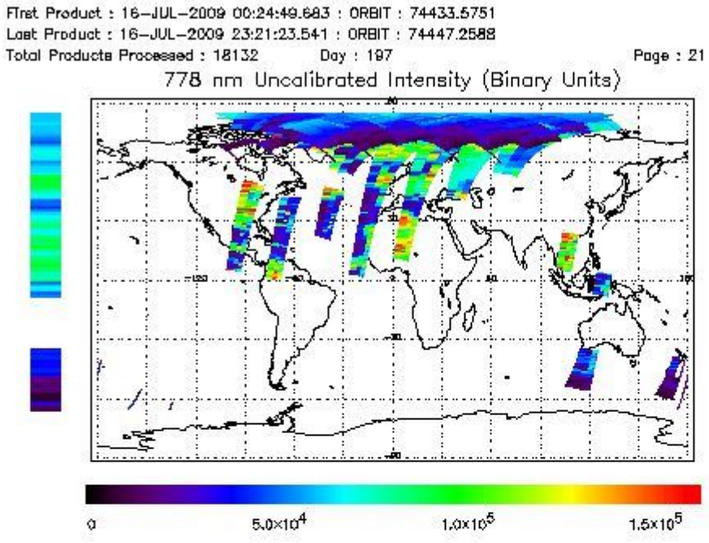
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	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)

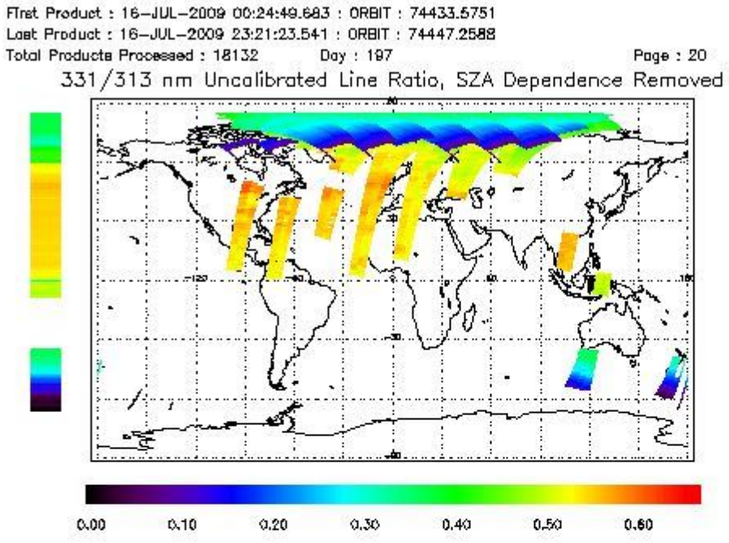
2.2 - Daily Plots

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

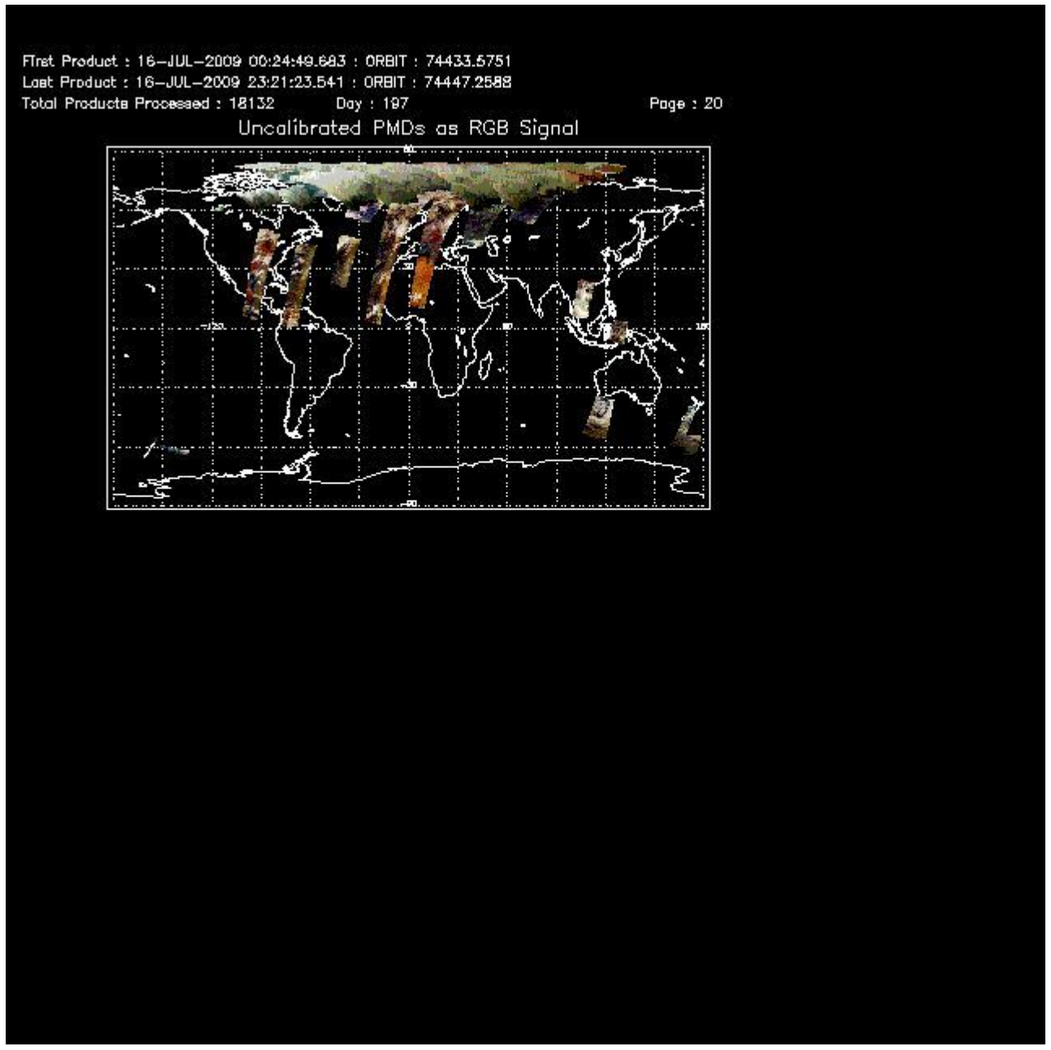
NEAR IR Intensity



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	19:51:29.770	--	74445	Y	--	14539

(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)
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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)
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(2)

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(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
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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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