GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	24-JUL-2009
Start Time of First Product	00:18:11
Stop Time of Last Product	23:14:48
Number of EGOI Products analysed	39
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090724GSEP5243.E2	24-JUL-2009	02:04:12.179
EGOI_090724GSEP5268.E2	24-JUL-2009	03:43:38.284
EGOI_090724GSEP5277.E2	24-JUL-2009	05:26:23.909
EGOI_090724HLEP2545.E2	24-JUL-2009	01:14:10.377
EGOI_090724HLEP2552.E2	24-JUL-2009	11:45:21.707
EGOI_090724HLEP2559.E2	24-JUL-2009	13:23:55.309
EGOI_090724HLEP2568.E2	24-JUL-2009	15:04:43.924
EGOI_090724HLEP2575.E2	24-JUL-2009	23:03:24.040
EGOI_090724KSEP8450.E2	24-JUL-2009	07:24:38.127

EGOI_090724KSEP8468.E2	24-JUL-2009	09:04:40.233
EGOI_090724KSEP8494.E2	24-JUL-2009	10:44:18.335
EGOI_090724KSEP8522.E2	24-JUL-2009	12:23:41.446
EGOI_090724KSEP8538.E2	24-JUL-2009	14:02:39.044
EGOI_090724KSEP8566.E2	24-JUL-2009	15:40:44.138
EGOI_090724KSEP8588.E2	24-JUL-2009	17:18:28.233
EGOI_090724KSEP8622.E2	24-JUL-2009	18:56:21.042
EGOI_090724KSEP8657.E2	24-JUL-2009	20:35:44.141
EGOI_090724KSEP8688.E2	24-JUL-2009	22:17:28.259
EGOI_090724MAEP2093.E2	24-JUL-2009	09:12:28.280
EGOI_090724MAEP2107.E2	24-JUL-2009	10:51:52.882
EGOI_090724MIEP4944.E2	24-JUL-2009	02:02:24.170
EGOI_090724MIEP4963.E2	24-JUL-2009	03:39:27.757
EGOI_090724MIEP4976.E2	24-JUL-2009	05:23:43.394
EGOI_090724MIEP4992.E2	24-JUL-2009	14:23:09.169
EGOI_090724MIEP5002.E2	24-JUL-2009	15:58:41.248
EGOI_090724MIEP5021.E2	24-JUL-2009	17:40:17.862
EGOI_090724MMEP6313.E2	24-JUL-2009	01:23:14.932
EGOI_090724MMEP6319.E2	24-JUL-2009	03:05:44.054
EGOI_090724MMEP6327.E2	24-JUL-2009	06:30:31.796
EGOI_090724MMEP6334.E2	24-JUL-2009	09:52:16.522
EGOI_090724MMEP6342.E2	24-JUL-2009	11:32:17.129
EGOI_090724MSEP1382.E2	24-JUL-2009	00:18:11.537
EGOI_090724MSEP1409.E2	24-JUL-2009	10:57:37.918
EGOI_090724MSEP1437.E2	24-JUL-2009	12:37:02.520
EGOI_090724MSEP1468.E2	24-JUL-2009	22:07:26.700
EGOI_090724SGEP8638.E2	24-JUL-2009	02:41:52.913
EGOI_090724SGEP8646.E2	24-JUL-2009	04:20:55.007
EGOI_090724SGEP8654.E2	24-JUL-2009	15:15:58.990
EGOI_090724SGEP8663.E2	24-JUL-2009	16:58:20.616

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74552	24-JUL-2009	07:22:36.880	07:24:38.127	121.24700
KS	74553	24-JUL-2009	09:02:08.792	09:04:40.232	151.44000
KS	74554	24-JUL-2009	10:41:45.614	10:44:18.334	152.72000
KS	74555	24-JUL-2009	12:21:08.466	12:23:41.445	152.97900
KS	74556	24-JUL-2009	14:00:02.225	14:02:39.043	156.81800
KS	74557	24-JUL-2009	15:38:03.114	15:40:44.137	161.02300
KS	74558	24-JUL-2009	17:15:52.303	17:18:28.233	155.93000
KS	74559	24-JUL-2009	18:54:01.404	18:56:21.042	139.63800

KS	74560	24-JUL-2009	20:33:42.476	20:35:44.140	121.66400
KS	74561	24-JUL-2009	22:15:27.380	22:17:28.259	120.87900
GS	74549	24-JUL-2009	02:02:10.721	02:04:12.179	121.45800
GS	74550	24-JUL-2009	03:41:32.708	03:43:38.284	125.57600
MS	74548	24-JUL-2009	00:15:58.649	00:18:11.536	132.88700
MS	74554	24-JUL-2009	10:55:03.358	10:57:37.917	154.55900
MS	74555	24-JUL-2009	12:34:29.072	12:37:02.519	153.44700
MS	74561	24-JUL-2009	22:05:19.133	22:07:26.699	127.56600
MS	74562	24-JUL-2009	23:43:39.328	23:45:57.295	137.96700
MA	74553	24-JUL-2009	09:11:10.086	09:12:28.280	78.194000
MA	74554	24-JUL-2009	10:49:55.175	10:51:52.882	117.70700
MI	74549	24-JUL-2009	02:00:06.473	02:02:24.170	137.69700
MI	74550	24-JUL-2009	03:36:07.041	03:39:27.757	200.71600
MI	74556	24-JUL-2009	14:21:14.636	14:23:09.169	114.53300
MI	74557	24-JUL-2009	15:56:15.540	15:58:41.248	145.70800
MI	74558	24-JUL-2009	17:38:02.794	17:40:17.862	135.06800
MM	74548	24-JUL-2009	01:21:48.923	01:23:14.931	86.008000
MM	74549	24-JUL-2009	03:04:37.145	03:05:44.054	66.909000
MM	74553	24-JUL-2009	09:50:47.584	09:52:16.521	88.937000
MM	74554	24-JUL-2009	11:30:53.019	11:32:17.129	84.110000
SG	74549	24-JUL-2009	02:39:33.717	02:41:52.913	139.19600
SG	74550	24-JUL-2009	04:18:44.345	04:20:55.007	130.66200
SG	74556	24-JUL-2009	15:13:31.603	15:15:58.989	147.38600
SG	74557	24-JUL-2009	16:55:47.668	16:58:20.615	152.94700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
BE	74549	24-JUL-2009	02:27:47.388	02:40:45.644	778.25600
CM	74549	24-JUL-2009	03:35:26.860	03:47:17.369	710.50900
BE	74550	24-JUL-2009	04:07:29.939	04:19:17.896	707.95700
MM	74550	24-JUL-2009	04:47:38.912	04:53:33.724	354.81200
CM	74551	24-JUL-2009	05:16:24.640	05:24:57.969	513.32900
MM	74552	24-JUL-2009	08:10:26.929	08:19:08.229	521.30000
JO	74552	24-JUL-2009	07:47:32.306	08:02:11.956	879.65000
JO	74553	24-JUL-2009	09:28:12.123	09:40:27.174	735.05100

MM	74555	24-JUL-2009	13:10:44.925	13:23:26.236	761.31100
MM	74556	24-JUL-2009	14:50:21.689	15:03:03.045	761.35600
GS	74556	24-JUL-2009	14:12:25.203	14:21:48.929	563.72600
BE	74557	24-JUL-2009	15:25:19.499	15:36:09.118	649.61900
MM	74557	24-JUL-2009	16:29:42.147	16:42:15.011	752.86400
GS	74557	24-JUL-2009	15:50:22.743	16:04:18.104	835.36100
CM	74557	24-JUL-2009	15:59:18.440	16:11:14.283	715.84300
MM	74558	24-JUL-2009	18:08:51.112	18:21:24.502	753.39000
GS	74558	24-JUL-2009	17:30:27.135	17:41:48.041	680.90600
CM	74558	24-JUL-2009	17:39:57.494	17:48:29.081	511.58700
MM	74559	24-JUL-2009	19:48:03.790	20:00:45.816	762.02600
MA	74559	24-JUL-2009	18:53:07.926	18:57:26.264	258.33800
JO	74559	24-JUL-2009	20:07:39.147	20:21:58.384	859.23700
MM	74560	24-JUL-2009	21:27:43.162	21:40:23.553	760.39100
MA	74560	24-JUL-2009	20:25:59.226	20:39:45.062	825.83600
JO	74560	24-JUL-2009	21:47:17.714	22:00:30.487	792.77300
MM	74561	24-JUL-2009	23:08:11.001	23:20:16.490	725.48900
MA	74561	24-JUL-2009	22:08:21.725	22:18:10.474	588.74900

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1.5 - List of corrupted products

Station	Orbit	Time
HL	74562	00:50:29

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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

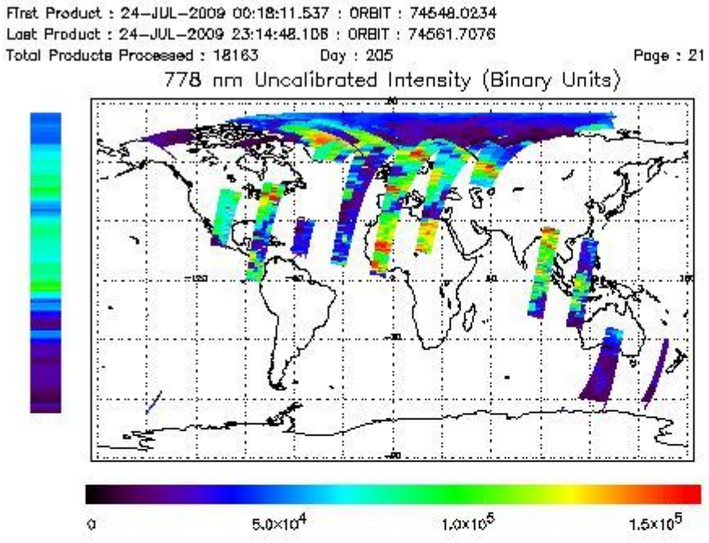
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected 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)

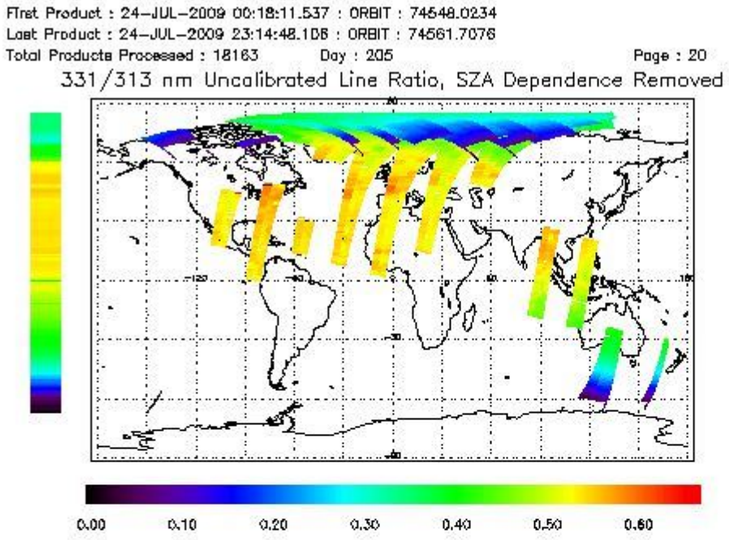
2.2 - Daily Plots

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

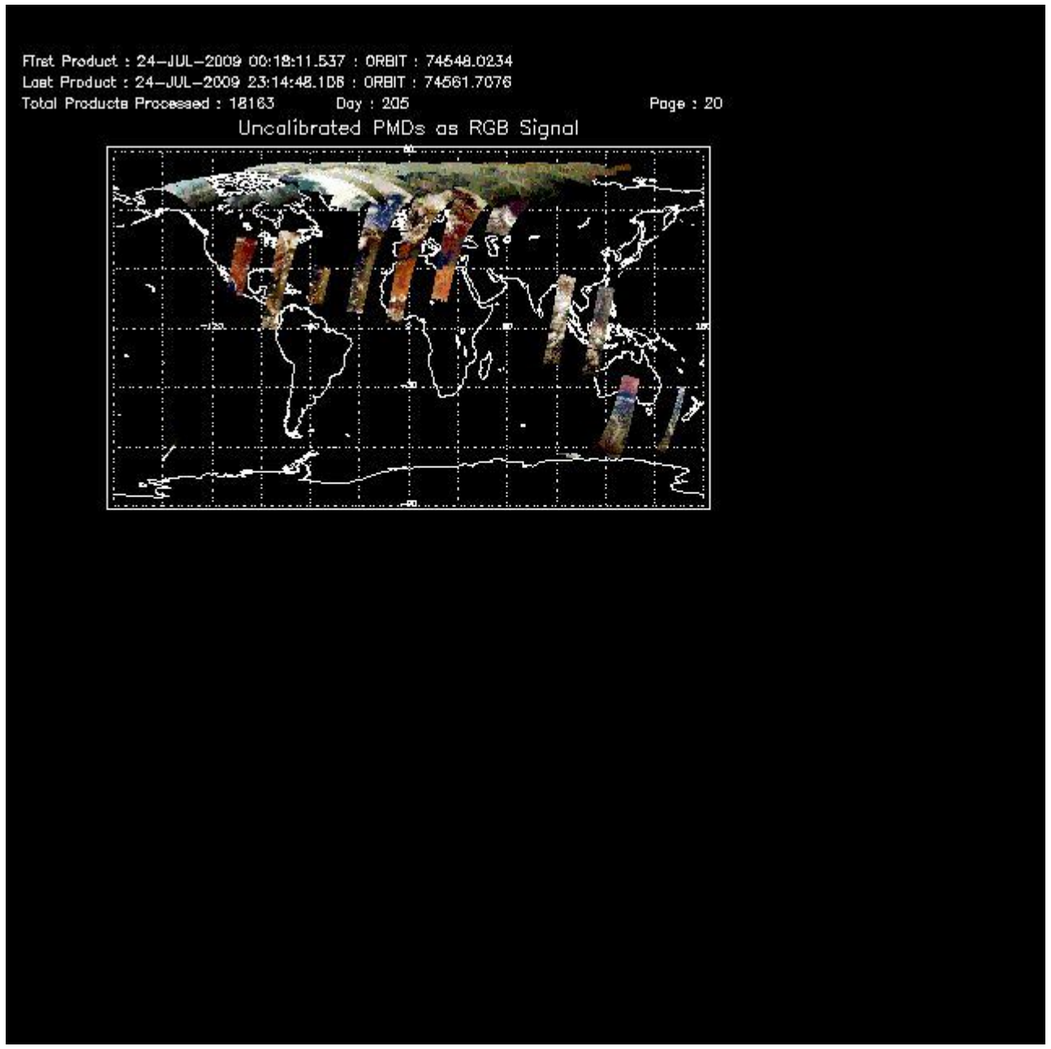
NEAR IR Intensity



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	19:00:07	--	74559	Y	--	14732

(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)

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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)

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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
20:40	--	74560	74574

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