GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-JUL-2009
Start Time of First Product	00:10:36
Stop Time of Last Product	23:52:02
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090726GSEP5368.E2	26-JUL-2009	01:03:44.014
EGOI_090726GSEP5400.E2	26-JUL-2009	02:40:31.104
EGOI_090726GSEP5428.E2	26-JUL-2009	04:21:43.721
EGOI_090726GSEP5435.E2	26-JUL-2009	06:04:00.835
EGOI_090726HLEP2625.E2	26-JUL-2009	00:10:36.190
EGOI_090726HLEP2632.E2	26-JUL-2009	01:53:05.315
EGOI_090726HLEP2643.E2	26-JUL-2009	15:43:38.861
EGOI_090726HLEP2650.E2	26-JUL-2009	22:04:03.676
EGOI_090726HLEP2658.E2	26-JUL-2009	23:41:35.763

EGOI_090726KSEP9012.E2	26-JUL-2009	06:22:08.448
EGOI_090726KSEP9034.E2	26-JUL-2009	08:02:03.061
EGOI_090726KSEP9059.E2	26-JUL-2009	09:41:41.159
EGOI_090726KSEP9093.E2	26-JUL-2009	11:21:16.265
EGOI_090726KSEP9125.E2	26-JUL-2009	13:00:27.372
EGOI_090726KSEP9139.E2	26-JUL-2009	14:39:17.474
EGOI_090726KSEP9154.E2	26-JUL-2009	16:16:57.064
EGOI_090726KSEP9181.E2	26-JUL-2009	17:55:02.163
EGOI_090726KSEP9206.E2	26-JUL-2009	19:32:58.258
EGOI_090726KSEP9241.E2	26-JUL-2009	21:13:22.864
EGOI_090726KSEP9260.E2	26-JUL-2009	22:55:50.490
EGOI_090726MAEP2180.E2	26-JUL-2009	09:49:14.206
EGOI_090726MAEP2190.E2	26-JUL-2009	19:28:56.730
EGOI_090726MIEP5126.E2	26-JUL-2009	02:37:07.081
EGOI_090726MIEP5155.E2	26-JUL-2009	04:16:00.186
EGOI_090726MIEP5181.E2	26-JUL-2009	14:57:20.580
EGOI_090726MIEP5210.E2	26-JUL-2009	16:35:48.178
EGOI_090726MMEP6402.E2	26-JUL-2009	00:19:12.249
EGOI_090726MMEP6408.E2	26-JUL-2009	02:01:14.366
EGOI_090726MMEP6415.E2	26-JUL-2009	03:44:04.491
EGOI_090726MMEP6425.E2	26-JUL-2009	12:09:49.568
EGOI_090726MMEP6434.E2	26-JUL-2009	15:28:49.275
EGOI_090726MSEP1629.E2	26-JUL-2009	00:57:36.479
EGOI_090726MSEP1641.E2	26-JUL-2009	09:57:45.757
EGOI_090726MSEP1664.E2	26-JUL-2009	11:34:20.843
EGOI_090726MSEP1688.E2	26-JUL-2009	13:15:07.958
EGOI_090726MSEP1720.E2	26-JUL-2009	22:43:15.912
EGOI_090726SGEP8702.E2	26-JUL-2009	03:18:17.831
EGOI_090726SGEP8713.E2	26-JUL-2009	04:59:37.944
EGOI_090726SGEP8721.E2	26-JUL-2009	16:04:40.490

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74580	26-JUL-2009	06:20:27.008	06:22:08.447	101.43900
KS	74581	26-JUL-2009	07:59:32.734	08:02:03.061	150.32700
KS	74582	26-JUL-2009	09:39:09.319	09:41:41.159	151.84000
KS	74583	26-JUL-2009	11:18:42.945	11:21:16.265	153.32000
KS	74584	26-JUL-2009	12:57:55.973	13:00:27.372	151.39900
KS	74585	26-JUL-2009	14:36:40.224	14:39:17.473	157.24900
KS	74586	26-JUL-2009	16:14:20.589	16:16:57.064	156.47500
KS	74587	26-JUL-2009	17:52:14.116	17:55:02.162	168.04600

KS	74588	26-JUL-2009	19:30:50.872	19:32:58.258	127.38600
KS	74590	26-JUL-2009	22:53:56.075	22:55:50.489	114.41400
GS	74577	26-JUL-2009	01:02:03.325	01:03:44.013	100.68800
GS	74578	26-JUL-2009	02:38:34.127	02:40:31.104	116.97700
GS	74579	26-JUL-2009	04:19:45.927	04:21:43.720	117.79300
MS	74583	26-JUL-2009	11:31:39.586	11:34:20.843	161.25700
MS	74584	26-JUL-2009	13:12:35.921	13:15:07.957	152.03600
MS	74590	26-JUL-2009	22:41:05.867	22:43:15.912	130.04500
MA	74582	26-JUL-2009	09:47:12.106	09:49:14.205	122.09900
MA	74582	26-JUL-2009	09:57:47.256	10:00:46.586	179.33000
MA	74588	26-JUL-2009	19:27:03.328	19:28:56.729	113.40100
MI	74578	26-JUL-2009	02:34:44.138	02:37:07.080	142.94200
MI	74579	26-JUL-2009	04:13:37.845	04:16:00.186	142.34100
MI	74585	26-JUL-2009	14:54:58.634	14:57:20.579	141.94500
MI	74586	26-JUL-2009	16:33:21.958	16:35:48.178	146.22000
MM	74576	26-JUL-2009	00:17:40.128	00:19:12.248	92.120000
MM	74577	26-JUL-2009	01:59:54.550	02:01:14.366	79.816000
MM	74578	26-JUL-2009	03:42:55.685	03:44:04.490	68.805000
MM	74583	26-JUL-2009	12:08:00.225	12:09:49.568	109.34300
MM	74585	26-JUL-2009	15:27:17.417	15:28:49.275	91.858000
SG	74578	26-JUL-2009	03:15:37.139	03:18:17.830	160.69100
SG	74579	26-JUL-2009	04:57:53.715	04:59:37.943	104.22800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
BE	74578	26-JUL-2009	03:04:32.962	03:17:57.850	804.88800
CM	74578	26-JUL-2009	02:37:11.044	02:41:41.274	270.23000
CM	74578	26-JUL-2009	04:11:58.376	04:24:21.798	743.42200
BE	74579	26-JUL-2009	04:45:15.028	04:54:25.656	550.62800
MM	74579	26-JUL-2009	05:25:41.635	05:31:28.375	346.74000
MM	74580	26-JUL-2009	07:07:09.426	07:14:21.173	431.74700
JO	74580	26-JUL-2009	06:47:35.881	06:58:19.701	643.82000
MM	74581	26-JUL-2009	08:47:45.398	08:57:18.502	573.10400
MA	74581	26-JUL-2009	08:09:14.886	08:19:15.546	600.66000
JO	74581	26-JUL-2009	08:24:11.517	08:39:11.026	899.50900

MM	74582	26-JUL-2009	10:27:59.721	10:39:24.875	685.15400
JO	74582	26-JUL-2009	10:08:17.577	10:14:45.646	388.06900
MA	74583	26-JUL-2009	11:28:24.911	11:36:24.447	479.53600
HO	74584	26-JUL-2009	13:56:25.428	14:10:23.663	838.23500
MM	74584	26-JUL-2009	13:47:46.747	14:00:30.604	763.85700
SG	74584	26-JUL-2009	14:13:23.180	14:22:58.092	574.91200
BE	74585	26-JUL-2009	14:21:13.262	14:34:34.142	800.88000
GS	74585	26-JUL-2009	14:48:22.351	15:00:39.883	737.53200
CM	74585	26-JUL-2009	15:00:41.798	15:04:38.458	236.66000
BE	74586	26-JUL-2009	16:05:11.996	16:11:05.737	353.74100
MM	74586	26-JUL-2009	17:06:32.527	17:19:04.113	751.58600
GS	74586	26-JUL-2009	16:27:22.180	16:41:01.777	819.59700
CM	74586	26-JUL-2009	16:35:57.337	16:48:19.045	741.70800
MM	74587	26-JUL-2009	18:45:40.532	18:58:16.893	756.36100
GS	74587	26-JUL-2009	18:08:09.437	18:16:43.415	513.97800
JO	74587	26-JUL-2009	19:07:49.975	19:16:08.743	498.76800
MM	74588	26-JUL-2009	20:25:00.303	20:37:44.201	763.89800
JO	74588	26-JUL-2009	20:44:14.168	20:59:15.807	901.63900
MM	74589	26-JUL-2009	22:04:55.455	22:17:27.857	752.40200
MA	74589	26-JUL-2009	21:03:00.739	21:16:26.903	806.16400
JO	74589	26-JUL-2009	22:25:28.734	22:35:15.631	586.89700
HO	74590	26-JUL-2009	23:35:21.109	23:49:44.159	863.05000
MM	74590	26-JUL-2009	23:45:45.440	23:57:25.889	700.44900

[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

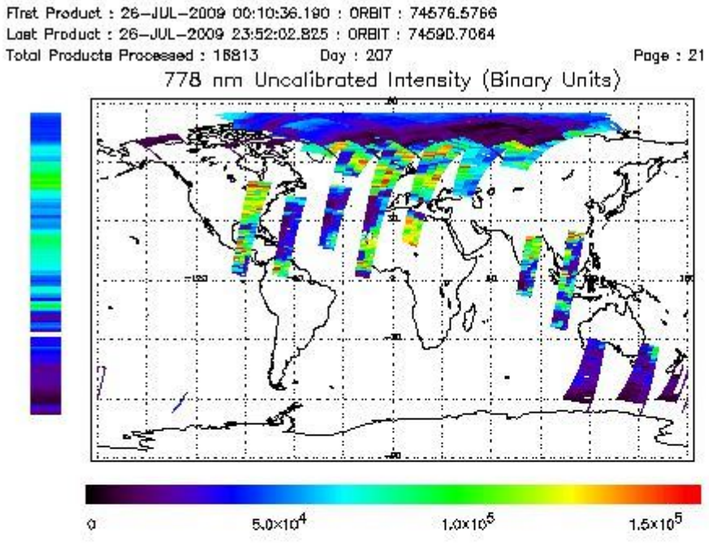
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures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

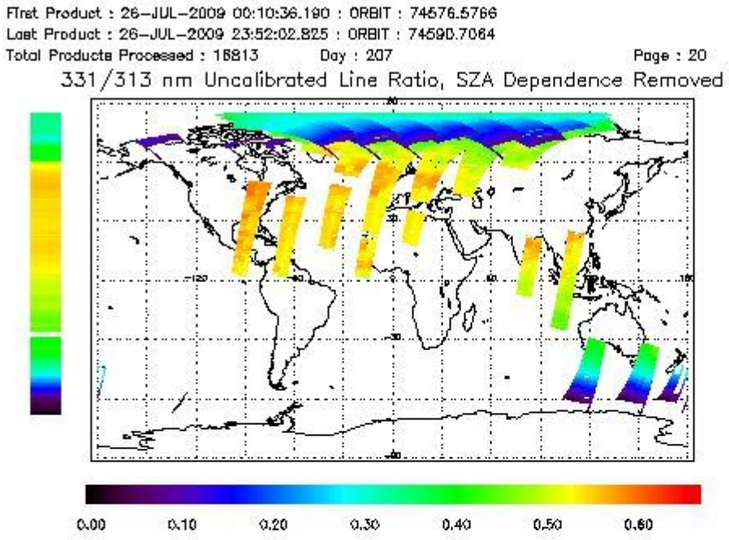
2.2 - Daily Plots

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

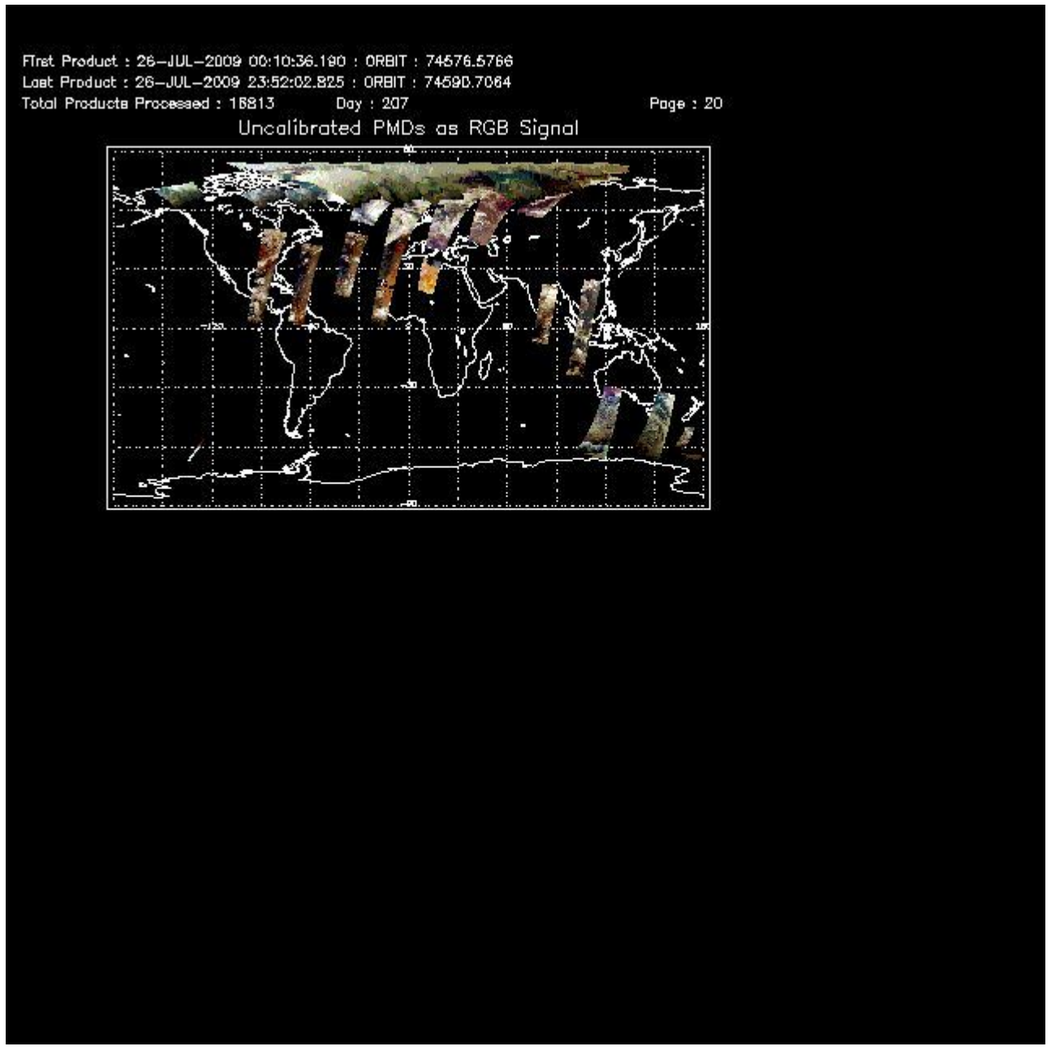
NEAR IR Intensity



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	17:56:59	--	74587	Y	--	14712

(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