GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-JUL-2009
Start Time of First Product	00:29:57
Stop Time of Last Product	23:34:25
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090730BEEP0296.E2	30-JUL-2009	02:41:46.673
EGOI_090730BEEP0302.E2	30-JUL-2009	04:21:39.783
EGOI_090730GSEP5677.E2	30-JUL-2009	02:15:39.012
EGOI_090730GSEP5704.E2	30-JUL-2009	03:55:18.619
EGOI_090730GSEP5712.E2	30-JUL-2009	05:37:56.744
EGOI_090730KSEP0115.E2	30-JUL-2009	07:36:03.462
EGOI_090730KSEP0135.E2	30-JUL-2009	09:16:04.075
EGOI_090730KSEP0164.E2	30-JUL-2009	10:55:42.178
EGOI_090730KSEP0192.E2	30-JUL-2009	12:35:00.784

EGOI_090730KSEP0209.E2	30-JUL-2009	14:13:58.387
EGOI_090730KSEP0227.E2	30-JUL-2009	15:51:48.478
EGOI_090730KSEP0257.E2	30-JUL-2009	17:29:44.580
EGOI_090730KSEP0293.E2	30-JUL-2009	19:07:34.671
EGOI_090730KSEP0321.E2	30-JUL-2009	20:47:21.778
EGOI_090730MAEP2275.E2	30-JUL-2009	09:23:41.622
EGOI_090730MAEP2285.E2	30-JUL-2009	11:03:22.725
EGOI_090730MAEP2302.E2	30-JUL-2009	20:40:32.239
EGOI_090730MAEP2318.E2	30-JUL-2009	22:21:20.853
EGOI_090730MIEP5475.E2	30-JUL-2009	02:12:55.497
EGOI_090730MIEP5497.E2	30-JUL-2009	14:33:15.000
EGOI_090730MIEP5524.E2	30-JUL-2009	16:10:03.591
EGOI_090730MIEP5544.E2	30-JUL-2009	17:52:43.213
EGOI_090730MMEP6598.E2	30-JUL-2009	05:00:02.513
EGOI_090730MMEP6607.E2	30-JUL-2009	10:03:47.860
EGOI_090730MMEP6615.E2	30-JUL-2009	11:44:00.471
EGOI_090730MMEP6625.E2	30-JUL-2009	16:42:50.290
EGOI_090730MMEP6633.E2	30-JUL-2009	18:22:52.398
EGOI_090730MMEP6640.E2	30-JUL-2009	21:41:58.111
EGOI_090730MMEP6649.E2	30-JUL-2009	23:21:33.221
EGOI_090730MSEP2098.E2	30-JUL-2009	00:29:57.876
EGOI_090730MSEP2118.E2	30-JUL-2009	11:08:55.756
EGOI_090730MSEP2145.E2	30-JUL-2009	12:48:39.866
EGOI_090730MSEP2172.E2	30-JUL-2009	22:18:19.333
EGOI_090730SGEP8818.E2	30-JUL-2009	02:53:01.739
EGOI_090730SGEP8825.E2	30-JUL-2009	04:33:00.853
EGOI_090730SGEP8831.E2	30-JUL-2009	13:52:46.258
EGOI_090730SGEP8839.E2	30-JUL-2009	15:39:01.907
EGOI_090730SGEP8846.E2	30-JUL-2009	17:12:27.970

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74638	30-JUL-2009	07:33:58.188	07:36:03.461	125.27300
KS	74639	30-JUL-2009	09:13:32.028	09:16:04.074	152.04600
KS	74640	30-JUL-2009	10:53:08.112	10:55:42.178	154.06600
KS	74641	30-JUL-2009	12:32:28.231	12:35:00.784	152.55300
KS	74642	30-JUL-2009	14:11:20.850	14:13:58.386	157.53600
KS	74643	30-JUL-2009	15:49:13.278	15:51:48.477	155.19900
KS	74644	30-JUL-2009	17:27:07.315	17:29:44.580	157.26500
KS	74645	30-JUL-2009	19:05:19.880	19:07:34.671	134.79100
KS	74646	30-JUL-2009	20:45:13.179	20:47:21.777	128.59800

GS	74635	30-JUL-2009	02:13:44.243	02:15:39.011	114.76800
GS	74636	30-JUL-2009	03:53:12.548	03:55:18.618	126.07000
MS	74634	30-JUL-2009	00:27:59.638	00:29:57.875	118.23700
MS	74640	30-JUL-2009	11:06:16.453	11:08:55.755	159.30200
MS	74641	30-JUL-2009	12:46:07.456	12:48:39.865	152.40900
MS	74647	30-JUL-2009	22:16:13.188	22:18:19.333	126.14500
MS	74648	30-JUL-2009	23:55:18.549	23:57:34.939	136.39000
MA	74639	30-JUL-2009	09:21:42.942	09:23:41.622	118.68000
MA	74640	30-JUL-2009	11:01:59.393	11:03:22.725	83.332000
MA	74646	30-JUL-2009	20:37:14.898	20:40:32.239	197.34100
MI	74635	30-JUL-2009	02:10:33.304	02:12:55.496	142.19200
MI	74642	30-JUL-2009	14:31:02.331	14:33:15.000	132.66900
MI	74643	30-JUL-2009	16:07:36.933	16:10:03.590	146.65700
MI	74644	30-JUL-2009	17:50:36.998	17:52:43.212	126.21400
MM	74639	30-JUL-2009	10:02:14.597	10:03:47.859	93.262000
MM	74640	30-JUL-2009	11:42:18.510	11:44:00.470	101.96000
MM	74643	30-JUL-2009	16:41:02.416	16:42:50.290	107.87400
MM	74644	30-JUL-2009	18:20:10.840	18:22:52.398	161.55800
MM	74646	30-JUL-2009	21:39:09.256	21:41:58.110	168.85400
MM	74647	30-JUL-2009	23:19:43.723	23:21:33.221	109.49800
BE	74635	30-JUL-2009	02:39:03.683	02:41:46.672	162.98900
BE	74636	30-JUL-2009	04:19:03.293	04:21:39.783	156.49000
SG	74635	30-JUL-2009	02:50:32.518	02:53:01.739	149.22100
SG	74635	30-JUL-2009	03:02:15.293	03:03:30.993	75.700000
SG	74636	30-JUL-2009	04:30:32.869	04:33:00.852	147.98300
SG	74636	30-JUL-2009	04:33:59.355	04:41:41.399	462.04400

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74633	29-JUL-2009	23:51:33.078	00:03:09.034	695.95600
HO	74634	30-JUL-2009	01:21:35.978	01:34:05.739	749.76100
MM	74634	30-JUL-2009	01:33:31.360	01:43:21.533	590.17300
MM	74635	30-JUL-2009	03:16:24.296	03:23:53.884	449.58800
CM	74635	30-JUL-2009	03:46:34.647	03:58:46.718	732.07100
MI	74636	30-JUL-2009	03:47:33.378	04:00:44.762	791.38400

MM	74637	30-JUL-2009	06:41:10.867	06:47:49.988	399.12100
KS	74637	30-JUL-2009	05:55:25.695	05:59:51.163	265.46800
CM	74637	30-JUL-2009	05:28:48.352	05:35:21.595	393.24300
JO	74637	30-JUL-2009	06:24:28.245	06:31:10.045	401.80000
MM	74638	30-JUL-2009	08:21:56.031	08:30:53.621	537.59000
JO	74638	30-JUL-2009	07:58:43.928	08:13:37.787	893.85900
JO	74639	30-JUL-2009	09:40:13.466	09:51:17.563	664.09700
MM	74641	30-JUL-2009	13:22:08.792	13:34:51.308	762.51600
BE	74642	30-JUL-2009	13:55:39.818	14:09:01.521	801.70300
HO	74642	30-JUL-2009	15:11:46.177	15:20:07.173	500.99600
MM	74642	30-JUL-2009	15:01:43.699	15:14:24.077	760.37800
GS	74642	30-JUL-2009	14:23:23.081	14:33:54.856	631.77500
BE	74643	30-JUL-2009	15:37:19.775	15:47:07.320	587.54500
GS	74643	30-JUL-2009	16:01:44.304	16:15:39.974	835.67000
CM	74643	30-JUL-2009	16:10:29.861	16:22:45.378	735.51700
GS	74644	30-JUL-2009	17:42:00.277	17:52:38.447	638.17000
CM	74644	30-JUL-2009	17:52:06.469	17:58:48.457	401.98800
MM	74645	30-JUL-2009	19:59:25.343	20:12:08.147	762.80400
MA	74645	30-JUL-2009	19:03:23.958	19:08:50.708	326.75000
JO	74645	30-JUL-2009	20:18:50.942	20:33:32.233	881.29100
JO	74646	30-JUL-2009	21:58:56.321	22:11:21.164	744.84300
HO	74647	30-JUL-2009	23:10:12.849	23:24:04.417	831.56800
KS	74647	30-JUL-2009	22:27:14.979	22:38:23.919	668.94000

[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

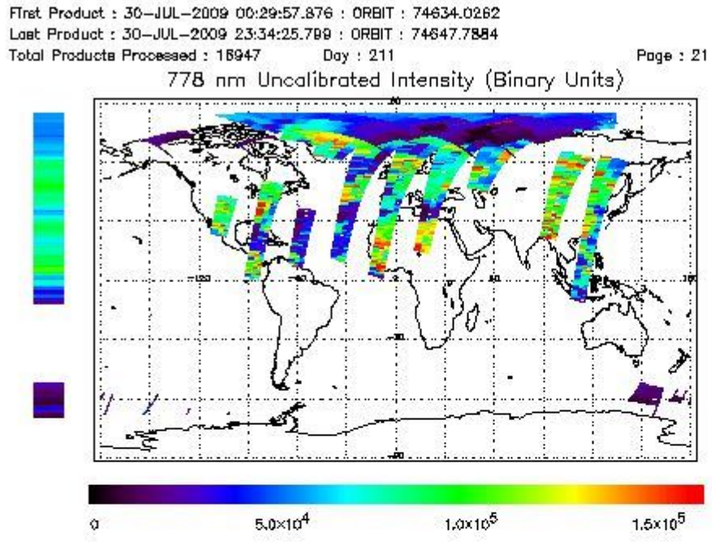
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures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

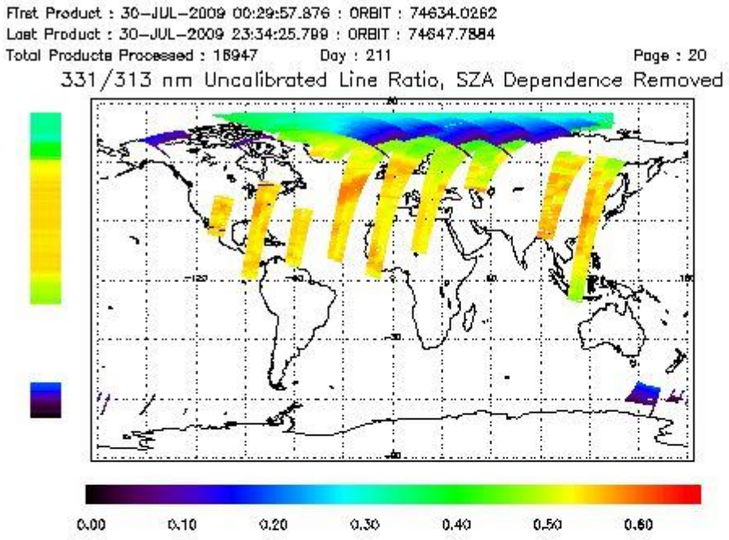
2.2 - Daily Plots

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

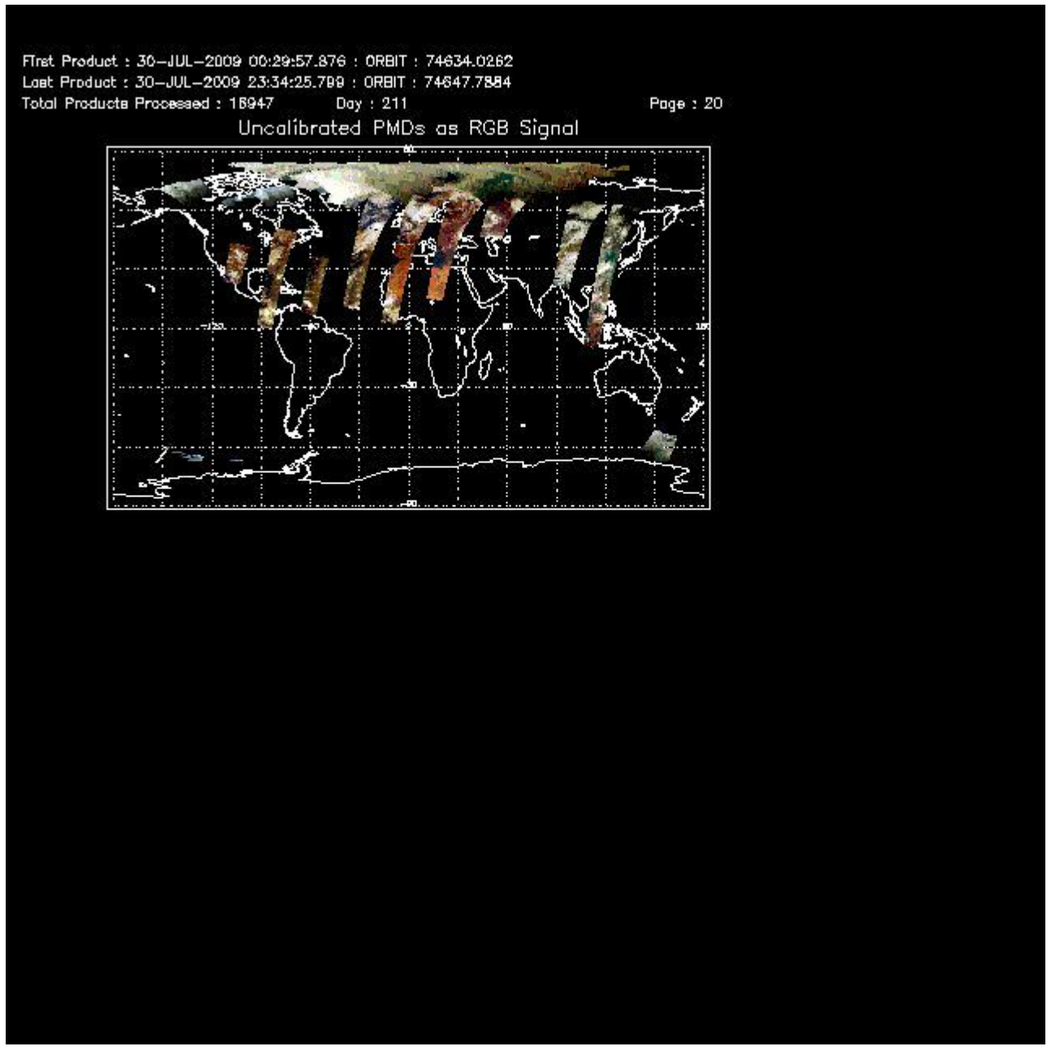
NEAR IR Intensity



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	19:12:04	--	74645	Y	--	14755

(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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[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