GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-JUL-2009
Start Time of First Product	23:54:37 (11-JUL)
Stop Time of Last Product	23:46:55
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	long science dump over HL, orbit 74383, time interval: 11:25:54-11:31:23

1.2 - List of received products

Name	Date	Time
EGOI_090712GSEP4358.E2	12-JUL-2009	01:42:04.861
EGOI_090712GSEP4384.E2	12-JUL-2009	03:20:30.951
EGOI_090712GSEP4394.E2	12-JUL-2009	05:03:18.076
EGOI_090712HLEP2078.E2	12-JUL-2009	00:50:46.544
EGOI_090712HLEP2085.E2	12-JUL-2009	11:23:23.377
EGOI_090712HLEP2094.E2	12-JUL-2009	14:41:23.082
EGOI_090712HLEP2102.E2	12-JUL-2009	22:41:27.488
EGOI_090712KSEP5124.E2	12-JUL-2009	07:01:51.793
EGOI_090712KSEP5146.E2	12-JUL-2009	08:41:49.403

EGOI_090712KSEP5170.E2	12-JUL-2009	10:21:29.005
EGOI_090712KSEP5195.E2	12-JUL-2009	12:01:01.112
EGOI_090712KSEP5214.E2	12-JUL-2009	13:39:57.210
EGOI_090712KSEP5242.E2	12-JUL-2009	15:18:35.305
EGOI_090712KSEP5263.E2	12-JUL-2009	16:56:02.899
EGOI_090712KSEP5296.E2	12-JUL-2009	18:33:58.994
EGOI_090712KSEP5329.E2	12-JUL-2009	20:12:49.088
EGOI_090712KSEP5360.E2	12-JUL-2009	21:54:01.698
EGOI_090712KSEP5380.E2	12-JUL-2009	23:37:30.832
EGOI_090712MAEP1547.E2	12-JUL-2009	08:50:19.454
EGOI_090712MAEP1561.E2	12-JUL-2009	10:28:57.552
EGOI_090712MAEP1580.E2	12-JUL-2009	20:07:05.557
EGOI_090712MIEP3844.E2	12-JUL-2009	01:42:34.861
EGOI_090712MIEP3865.E2	12-JUL-2009	03:15:54.927
EGOI_090712MIEP3888.E2	12-JUL-2009	04:57:45.044
EGOI_090712MIEP3910.E2	12-JUL-2009	15:36:05.410
EGOI_090712MIEP3937.E2	12-JUL-2009	17:16:24.017
EGOI_090712MSEP0036.E2	11-JUL-2009	23:54:37.204
EGOI_090712MSEP0061.E2	12-JUL-2009	10:35:42.591
EGOI_090712MSEP0090.E2	12-JUL-2009	12:14:07.190
EGOI_090712MSEP0116.E2	12-JUL-2009	21:45:58.651
EGOI_090712MSEP0145.E2	12-JUL-2009	23:22:51.742
EGOI_090712SGEP8286.E2	12-JUL-2009	02:20:05.087
EGOI_090712SGEP8294.E2	12-JUL-2009	03:57:44.673
EGOI_090712SGEP8302.E2	12-JUL-2009	14:53:35.152

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74380	12-JUL-2009	06:59:56.238	07:01:51.793	115.55500
KS	74381	12-JUL-2009	08:39:22.482	08:41:49.403	146.92100
KS	74382	12-JUL-2009	10:19:00.103	10:21:29.004	148.90100
KS	74383	12-JUL-2009	11:58:27.687	12:01:01.112	153.42500
KS	74384	12-JUL-2009	13:37:27.033	13:39:57.209	150.17600
KS	74385	12-JUL-2009	15:15:45.517	15:18:35.304	169.78700
KS	74386	12-JUL-2009	16:53:24.456	16:56:02.898	158.44200
KS	74387	12-JUL-2009	18:31:27.761	18:33:58.994	151.23300
KS	74388	12-JUL-2009	20:10:45.833	20:12:49.088	123.25500
KS	74389	12-JUL-2009	21:51:58.866	21:54:01.698	122.83200
KS	74390	12-JUL-2009	23:35:56.765	23:37:30.831	94.066000
GS	74377	12-JUL-2009	01:40:05.194	01:42:04.860	119.66600

GS	74378	12-JUL-2009	03:18:25.733	03:20:30.950	125.21700
MS	74376	11-JUL-2009	23:52:23.173	23:54:37.203	134.03000
MS	74382	12-JUL-2009	10:33:07.041	10:35:42.591	155.55000
MS	74383	12-JUL-2009	12:11:30.016	12:14:07.190	157.17400
MS	74390	12-JUL-2009	23:20:37.433	23:22:51.742	134.30900
MA	74381	12-JUL-2009	08:47:50.088	08:50:19.454	149.36600
MA	74382	12-JUL-2009	10:27:01.874	10:28:57.551	115.67700
MA	74388	12-JUL-2009	20:03:38.753	20:07:05.557	206.80400
MI	74378	12-JUL-2009	03:13:29.454	03:15:54.926	145.47200
MI	74379	12-JUL-2009	04:55:32.515	04:57:45.044	132.52900
MI	74385	12-JUL-2009	15:33:42.903	15:36:05.409	142.50600
MI	74386	12-JUL-2009	17:14:05.272	17:16:24.016	138.74400
SG	74377	12-JUL-2009	02:18:02.261	02:20:05.087	122.82600
SG	74378	12-JUL-2009	03:55:28.578	03:57:44.673	136.09500
SG	74384	12-JUL-2009	14:51:13.873	14:53:35.152	141.27900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74376	12-JUL-2009	00:58:26.435	01:08:58.399	631.96400
KS	74376	12-JUL-2009	00:09:39.762	00:14:06.319	266.55700
BE	74377	12-JUL-2009	02:05:22.705	02:17:27.972	725.26700
MM	74377	12-JUL-2009	02:41:03.672	02:49:22.448	498.77600
BE	74378	12-JUL-2009	03:44:30.008	03:57:14.133	764.12500
MM	74378	12-JUL-2009	04:24:08.951	04:30:20.074	371.12300
CM	74378	12-JUL-2009	03:13:31.518	03:24:03.356	631.83800
CM	74378	12-JUL-2009	04:52:28.904	05:03:21.850	652.94600
MM	74379	12-JUL-2009	06:06:26.112	06:12:31.247	365.13500
MM	74380	12-JUL-2009	07:47:27.632	07:55:35.914	488.28200
JO	74380	12-JUL-2009	07:25:23.457	07:39:11.746	828.28900
MM	74381	12-JUL-2009	09:27:52.985	09:38:16.598	623.61300
JO	74381	12-JUL-2009	09:04:35.002	09:18:25.463	830.46100
MM	74382	12-JUL-2009	11:08:01.514	11:19:57.215	715.70100
HO	74383	12-JUL-2009	12:56:33.148	13:11:22.585	889.43700
MM	74383	12-JUL-2009	12:47:56.610	13:00:34.210	757.60000
MM	74384	12-JUL-2009	14:27:37.009	14:40:19.974	762.96500

BE	74385	12-JUL-2009	15:01:41.926	15:13:56.693	734.76700
MM	74385	12-JUL-2009	16:07:01.103	16:19:35.514	754.41100
GS	74385	12-JUL-2009	15:27:43.660	15:41:23.722	820.06200
SG	74385	12-JUL-2009	16:31:25.163	16:42:19.937	654.77400
CM	74385	12-JUL-2009	15:37:12.910	15:47:51.459	638.54900
MM	74386	12-JUL-2009	17:46:11.742	17:58:43.915	752.17300
GS	74386	12-JUL-2009	17:07:26.116	17:19:54.853	748.73700
CM	74386	12-JUL-2009	17:16:18.724	17:27:04.859	646.13500
MM	74387	12-JUL-2009	19:25:21.694	19:38:01.816	760.12200
JO	74387	12-JUL-2009	19:45:27.842	19:58:33.729	785.88700
MM	74388	12-JUL-2009	21:04:52.869	21:17:35.789	762.92000
JO	74388	12-JUL-2009	21:24:11.633	21:38:31.365	859.73200
MM	74389	12-JUL-2009	22:45:08.036	22:57:25.449	737.41300
MA	74389	12-JUL-2009	21:43:49.477	21:56:01.368	731.89100

[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

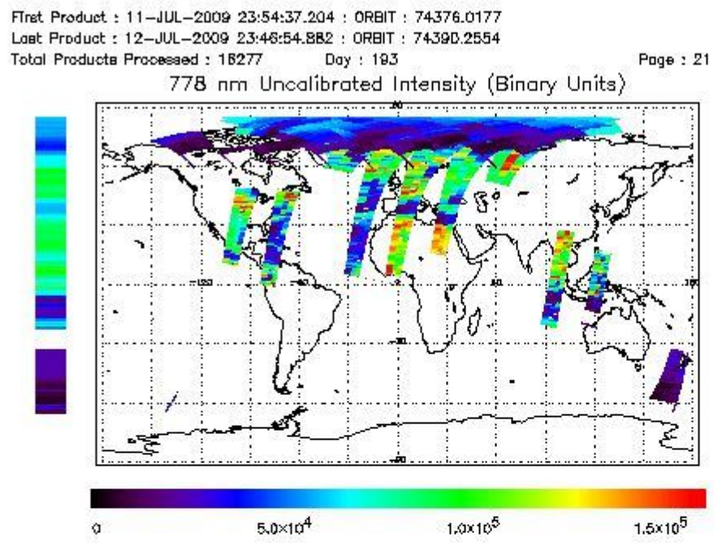
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	anomalous values due to long science dump
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

(1)

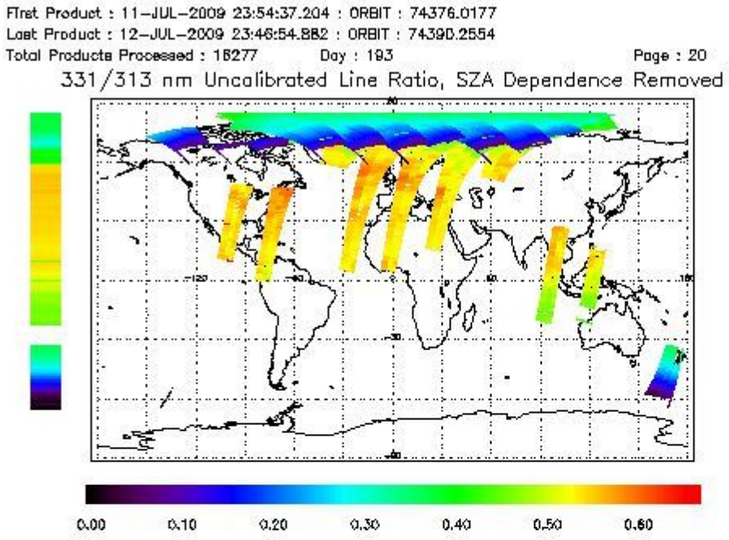
2.2 - Daily Plots

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

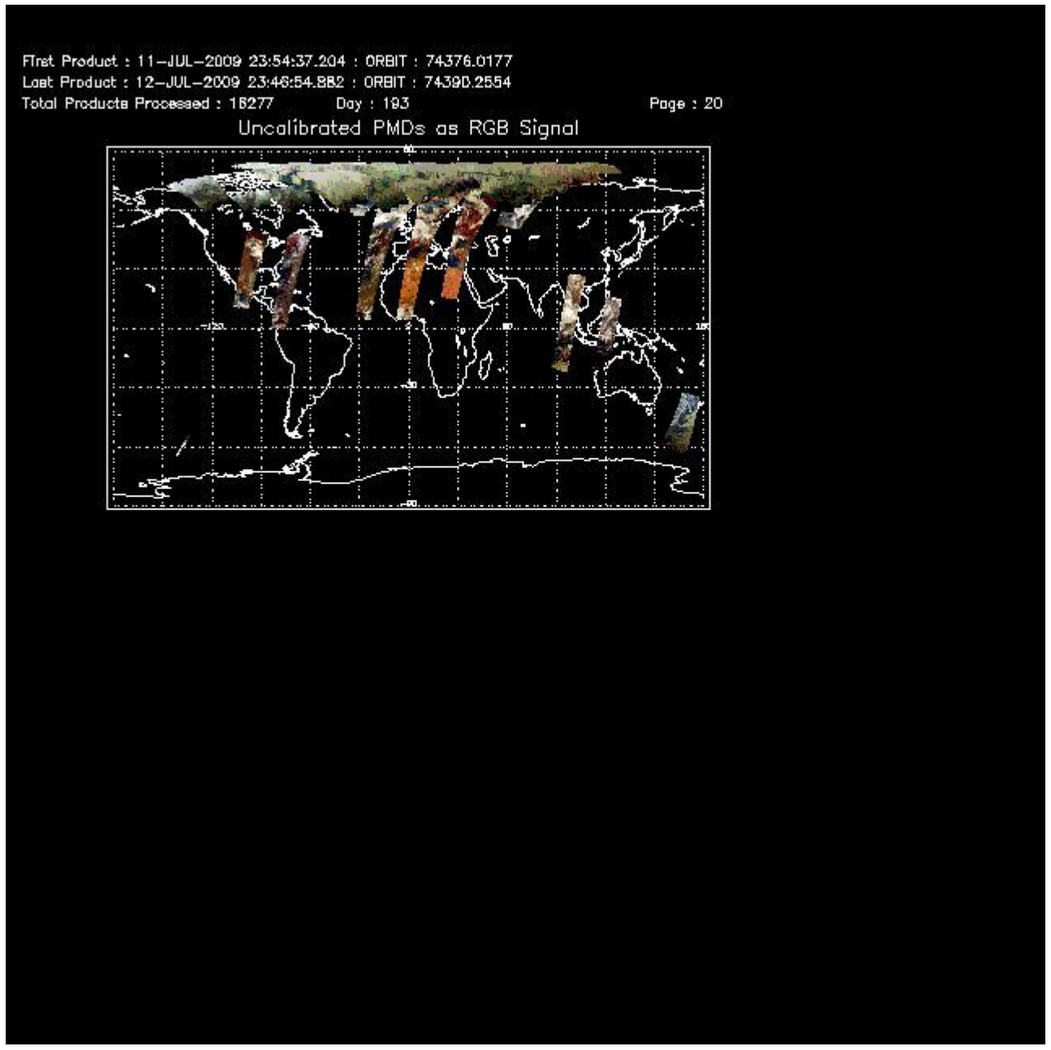
NEAR IR Intensity



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	18:36:32.005	--	74387	Y	--	14555

(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	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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(2)

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	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	Orbit End	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	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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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