GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-JUL-2009
Start Time of First Product	24-JUL-2009 23:45:57
Stop Time of Last Product	23:38:28
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	No daily solar calibration performed due to missing data

1.2 - List of received products

Name	Date	Time
EGOI_090725BEEP0277.E2	25-JUL-2009	03:38:34.707
EGOI_090725GSEP5305.E2	25-JUL-2009	01:33:56.453
EGOI_090725GSEP5333.E2	25-JUL-2009	03:11:58.550
EGOI_090725GSEP5342.E2	25-JUL-2009	04:54:42.675
EGOI_090725HLEP2584.E2	25-JUL-2009	00:42:06.635
EGOI_090725HLEP2592.E2	25-JUL-2009	11:15:20.988
EGOI_090725HLEP2600.E2	25-JUL-2009	12:52:42.574
EGOI_090725HLEP2609.E2	25-JUL-2009	14:34:10.189
EGOI_090725HLEP2616.E2	25-JUL-2009	22:33:23.607

EGOI_090725KSEP8715.E2	25-JUL-2009	06:53:23.896
EGOI_090725KSEP8738.E2	25-JUL-2009	08:33:19.999
EGOI_090725KSEP8761.E2	25-JUL-2009	10:13:01.105
EGOI_090725KSEP8787.E2	25-JUL-2009	11:52:33.207
EGOI_090725KSEP8806.E2	25-JUL-2009	13:31:30.810
EGOI_090725KSEP8834.E2	25-JUL-2009	15:10:11.912
EGOI_090725KSEP8866.E2	25-JUL-2009	16:47:42.502
EGOI_090725KSEP8934.E2	25-JUL-2009	20:04:21.195
EGOI_090725KSEP8963.E2	25-JUL-2009	21:45:21.814
EGOI_090725KSEP8991.E2	25-JUL-2009	23:28:37.443
EGOI_090725MAEP2120.E2	25-JUL-2009	08:41:47.050
EGOI_090725MAEP2133.E2	25-JUL-2009	10:20:29.648
EGOI_090725MAEP2152.E2	25-JUL-2009	19:58:51.164
EGOI_090725MAEP2174.E2	25-JUL-2009	21:37:20.263
EGOI_090725MIEP5043.E2	25-JUL-2009	03:07:31.519
EGOI_090725MIEP5069.E2	25-JUL-2009	04:48:41.132
EGOI_090725MIEP5079.E2	25-JUL-2009	15:27:42.017
EGOI_090725MIEP5101.E2	25-JUL-2009	17:07:41.123
EGOI_090725MMEP6357.E2	25-JUL-2009	02:33:28.312
EGOI_090725MMEP6364.E2	25-JUL-2009	04:16:13.937
EGOI_090725MMEP6371.E2	25-JUL-2009	05:58:41.562
EGOI_090725MMEP6378.E2	25-JUL-2009	07:39:58.674
EGOI_090725MMEP6386.E2	25-JUL-2009	11:01:02.898
EGOI_090725MSEP1498.E2	24-JUL-2009	23:45:57.295
EGOI_090725MSEP1522.E2	25-JUL-2009	10:27:34.191
EGOI_090725MSEP1551.E2	25-JUL-2009	12:05:27.285
EGOI_090725MSEP1560.E2	25-JUL-2009	13:48:21.912
EGOI_090725MSEP1580.E2	25-JUL-2009	21:37:47.263
EGOI_090725MSEP1609.E2	25-JUL-2009	23:14:23.853
EGOI_090725SGEP8670.E2	25-JUL-2009	02:12:23.687
EGOI_090725SGEP8679.E2	25-JUL-2009	03:48:57.269
EGOI_090725SGEP8687.E2	25-JUL-2009	14:47:25.275
EGOI_090725SGEP8694.E2	25-JUL-2009	16:25:18.366

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74566	25-JUL-2009	06:51:26.928	06:53:23.896	116.96800
KS	74567	25-JUL-2009	08:30:50.216	08:33:19.998	149.78200
KS	74568	25-JUL-2009	10:10:27.892	10:13:01.105	153.21300
KS	74569	25-JUL-2009	11:49:57.004	11:52:33.206	156.20200
KS	74570	25-JUL-2009	13:28:59.551	13:31:30.809	151.25800
KS	74571	25-JUL-2009	15:07:26.938	15:10:11.912	164.97400

KS	74572	25-JUL-2009	16:45:03.689	16:47:42.502	158.81300
KS	74574	25-JUL-2009	20:02:11.160	20:04:21.194	130.03400
KS	74575	25-JUL-2009	21:43:12.838	21:45:21.814	128.97600
KS	74576	25-JUL-2009	23:26:52.884	23:28:37.443	104.55900
GS	74563	25-JUL-2009	01:31:51.916	01:33:56.453	124.53700
GS	74564	25-JUL-2009	03:09:49.597	03:11:58.550	128.95300
MS	74568	25-JUL-2009	10:24:53.840	10:27:34.191	160.35100
MS	74569	25-JUL-2009	12:02:55.690	12:05:27.284	151.59400
MS	74576	25-JUL-2009	23:12:04.365	23:14:23.853	139.48800
MA	74567	25-JUL-2009	08:39:42.577	08:41:47.050	124.47300
MA	74568	25-JUL-2009	10:18:32.228	10:20:29.648	117.42000
MA	74574	25-JUL-2009	19:55:19.906	19:58:51.164	211.25800
MA	74575	25-JUL-2009	21:34:46.500	21:37:20.262	153.76200
MI	74564	25-JUL-2009	03:05:05.523	03:07:31.519	145.99600
MI	74565	25-JUL-2009	04:46:21.033	04:48:41.132	140.09900
MI	74571	25-JUL-2009	15:25:19.555	15:27:42.017	142.46200
MI	74572	25-JUL-2009	17:05:16.312	17:07:41.123	144.81100
MM	74563	25-JUL-2009	02:32:14.022	02:33:28.312	74.290000
MM	74566	25-JUL-2009	07:38:49.969	07:39:58.673	68.704000
MM	74568	25-JUL-2009	10:59:27.021	11:01:02.898	95.877000
BE	74564	25-JUL-2009	03:35:54.539	03:38:34.706	160.16700
SG	74563	25-JUL-2009	02:10:11.597	02:12:23.687	132.09000
SG	74564	25-JUL-2009	03:46:51.040	03:48:57.269	126.22900
SG	74570	25-JUL-2009	14:42:58.398	14:47:25.274	266.87600
SG	74571	25-JUL-2009	16:22:31.133	16:25:18.365	167.23200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74562	25-JUL-2009	00:49:41.349	01:00:22.913	641.56400
KS	74562	25-JUL-2009	00:00:21.743	00:05:49.727	327.98400
BE	74563	25-JUL-2009	01:57:01.876	02:08:38.123	696.24700
CM	74564	25-JUL-2009	03:05:26.843	03:15:13.887	587.04400
CM	74564	25-JUL-2009	04:43:40.977	04:55:06.366	685.38900
JO	74566	25-JUL-2009	07:17:10.583	07:30:30.875	800.29200
MM	74567	25-JUL-2009	09:19:17.304	09:29:30.672	613.36800

JO	74567	25-JUL-2009	08:55:50.337	09:10:04.659	854.32200
MM	74569	25-JUL-2009	12:39:23.294	12:51:59.013	755.71900
MM	74570	25-JUL-2009	14:19:05.028	14:31:48.428	763.40000
BE	74571	25-JUL-2009	14:52:56.538	15:05:33.145	756.60700
MM	74571	25-JUL-2009	15:58:30.521	16:11:05.628	755.10700
GS	74571	25-JUL-2009	15:19:15.589	15:32:44.461	808.87200
CM	74571	25-JUL-2009	15:29:03.735	15:38:56.438	592.70300
MM	74572	25-JUL-2009	17:37:41.971	17:50:13.844	751.87300
GS	74572	25-JUL-2009	16:58:49.727	17:11:38.513	768.78600
CM	74572	25-JUL-2009	17:07:34.581	17:18:53.431	678.85000
MM	74573	25-JUL-2009	19:16:51.211	19:29:30.541	759.33000
KS	74573	25-JUL-2009	18:23:01.201	18:36:36.657	815.45600
JO	74573	25-JUL-2009	19:37:14.049	19:49:39.948	745.89900
MM	74574	25-JUL-2009	20:56:19.623	21:09:03.091	763.46800
JO	74574	25-JUL-2009	21:15:35.059	21:30:11.365	876.30600
MM	74575	25-JUL-2009	22:36:30.258	22:48:51.492	741.23400

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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

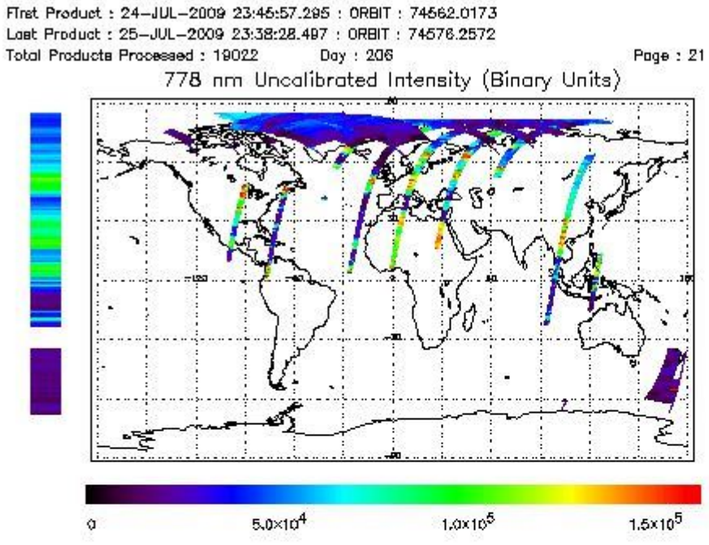
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 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)

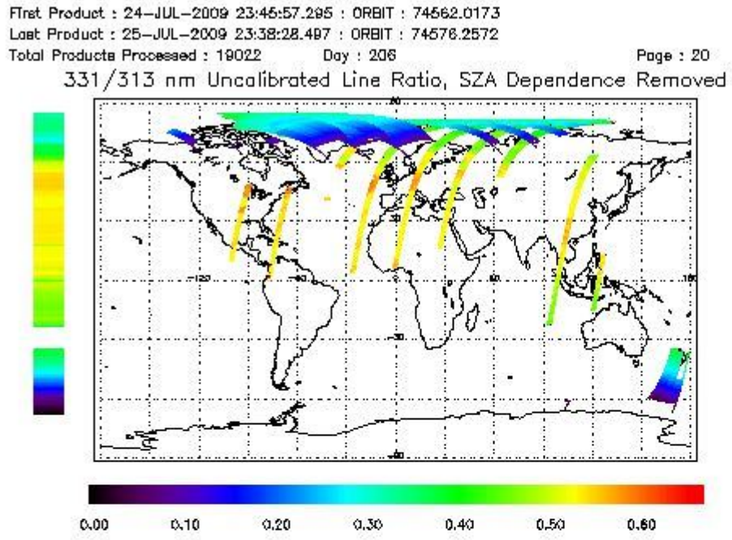
2.2 - Daily Plots

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

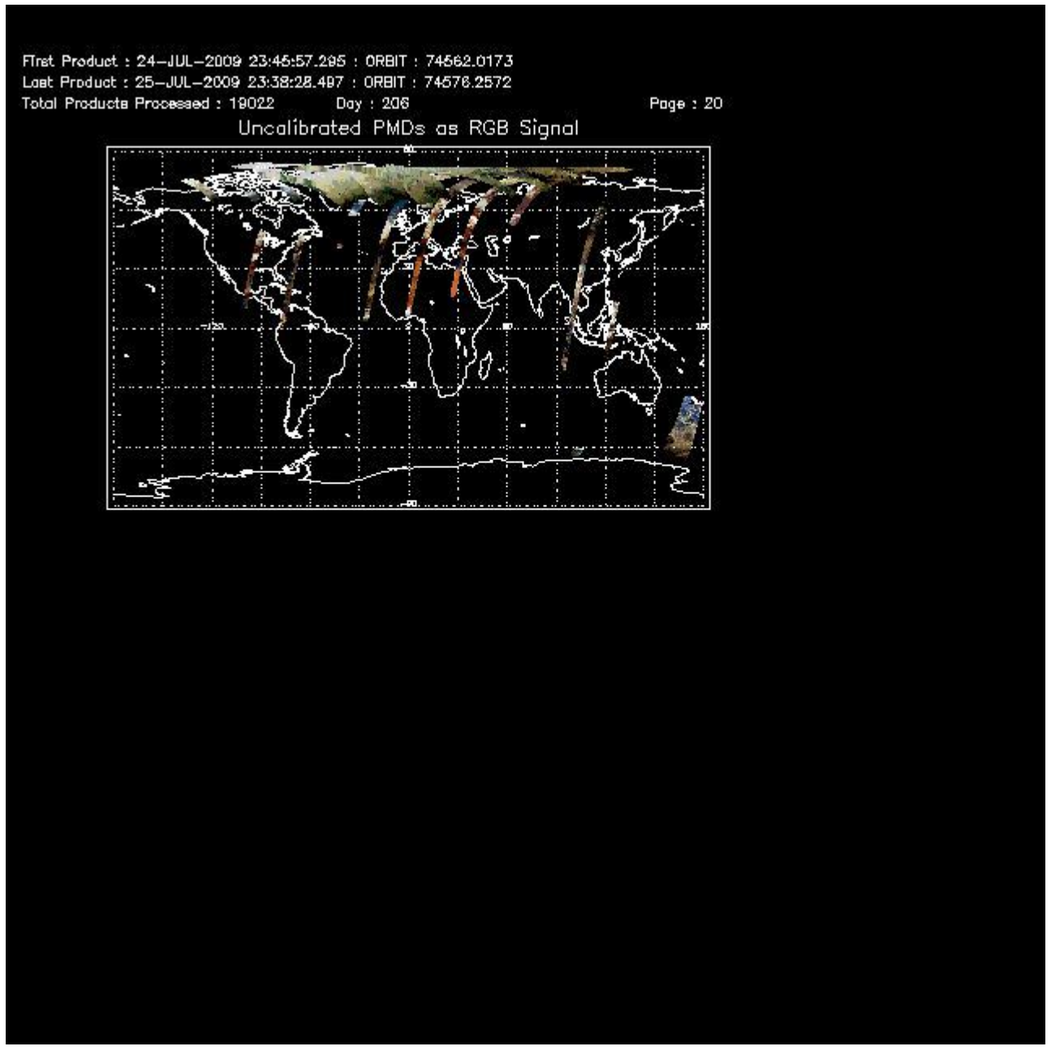
NEAR IR Intensity



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)
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(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)

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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	20:00	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