GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	06-JUL-2009
Start Time of First Product	23:42:58 (5-JUL)
Stop Time of Last Product	23:35:34
Number of EGOI Products analysed	32
Number of corrupted products	
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090706GSEP3913.E2	06-JUL-2009	01:31:12.279
EGOI_090706GSEP3939.E2	06-JUL-2009	03:08:54.884
EGOI_090706GSEP3949.E2	06-JUL-2009	04:52:01.517
EGOI_090706HLEP1876.E2	06-JUL-2009	00:37:16.437
EGOI_090706HLEP1884.E2	06-JUL-2009	02:24:15.603
EGOI_090706HLEP1892.E2	06-JUL-2009	14:35:18.604
EGOI_090706HLEP1899.E2	06-JUL-2009	22:28:39.499
EGOI_090706KSEP3403.E2	05-JUL-2009	23:59:01.203
EGOI_090706KSEP3428.E2	06-JUL-2009	06:50:27.747

EGOI_090706KSEP3451.E2	06-JUL-2009	08:30:23.865
EGOI_090706KSEP3473.E2	06-JUL-2009	10:10:04.978
EGOI_090706KSEP3498.E2	06-JUL-2009	11:49:38.588
EGOI_090706KSEP3519.E2	06-JUL-2009	13:28:36.198
EGOI_090706KSEP3547.E2	06-JUL-2009	15:07:18.800
EGOI_090706KSEP3601.E2	06-JUL-2009	18:22:45.500
EGOI_090706KSEP3637.E2	06-JUL-2009	20:01:26.599
EGOI_090706KSEP3665.E2	06-JUL-2009	21:42:21.214
EGOI_090706KSEP3684.E2	06-JUL-2009	23:25:35.343
EGOI_090706MIEP3257.E2	06-JUL-2009	03:04:15.857
EGOI_090706MIEP3282.E2	06-JUL-2009	04:44:50.974
EGOI_090706MIEP3295.E2	06-JUL-2009	15:24:39.905
EGOI_090706MIEP3311.E2	06-JUL-2009	17:10:12.055
EGOI_090706MSEP9315.E2	05-JUL-2009	23:42:58.101
EGOI_090706MSEP9338.E2	06-JUL-2009	10:24:42.570
EGOI_090706MSEP9367.E2	06-JUL-2009	12:02:34.166
EGOI_090706MSEP9380.E2	06-JUL-2009	13:45:16.799
EGOI_090706MSEP9398.E2	06-JUL-2009	21:35:25.674
EGOI_090706MSEP9429.E2	06-JUL-2009	23:11:36.761
EGOI_090706SGEP8123.E2	06-JUL-2009	02:09:36.509
EGOI_090706SGEP8131.E2	06-JUL-2009	03:46:04.107
EGOI_090706SGEP8137.E2	06-JUL-2009	14:49:32.194
EGOI_090706SGEP8144.E2	06-JUL-2009	16:27:14.793

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74290	05-JUL-2009	23:57:17.098	23:59:01.203	104.10500
KS	74294	06-JUL-2009	06:48:37.304	06:50:27.746	110.44200
KS	74295	06-JUL-2009	08:27:59.477	08:30:23.864	144.38700
KS	74296	06-JUL-2009	10:07:37.141	10:10:04.978	147.83700
KS	74297	06-JUL-2009	11:47:06.732	11:49:38.587	151.85500
KS	74298	06-JUL-2009	13:26:10.315	13:28:36.197	145.88200
KS	74299	06-JUL-2009	15:04:40.376	15:07:18.799	158.42300
KS	74301	06-JUL-2009	18:20:12.467	18:22:45.499	153.03200
KS	74302	06-JUL-2009	19:59:19.786	20:01:26.598	126.81200
KS	74303	06-JUL-2009	21:40:17.746	21:42:21.213	123.46700
KS	74304	06-JUL-2009	23:23:52.104	23:25:35.343	103.23900
GS	74291	06-JUL-2009	01:29:07.976	01:31:12.278	124.30200
GS	74292	06-JUL-2009	03:06:58.007	03:08:54.883	116.87600
MS	74296	06-JUL-2009	10:22:09.934	10:24:42.569	152.63500

MS	74297	06-JUL-2009	12:00:02.599	12:02:34.165	151.56600
MS	74304	06-JUL-2009	23:09:13.938	23:11:36.761	142.82300
MI	74292	06-JUL-2009	03:02:18.189	03:04:15.856	117.66700
MI	74293	06-JUL-2009	04:43:19.247	04:44:50.973	91.726000
MI	74299	06-JUL-2009	15:22:32.308	15:24:39.905	127.59700
MI	74300	06-JUL-2009	17:02:20.785	17:10:12.054	471.26900
SG	74291	06-JUL-2009	02:07:37.319	02:09:36.509	119.19000
SG	74292	06-JUL-2009	03:43:59.164	03:46:04.106	124.94200
SG	74292	06-JUL-2009	03:49:58.130	03:57:41.759	463.62900
SG	74299	06-JUL-2009	16:19:34.252	16:27:14.792	460.54000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74290	06-JUL-2009	00:46:46.427	00:57:31.110	644.68300
BE	74291	06-JUL-2009	01:54:15.451	02:05:40.705	685.25400
MM	74291	06-JUL-2009	02:29:17.533	02:37:52.827	515.29400
BE	74292	06-JUL-2009	03:33:02.940	03:46:05.895	782.95500
MM	74292	06-JUL-2009	04:12:22.873	04:18:44.837	381.96400
CM	74292	06-JUL-2009	03:02:46.601	03:12:16.324	569.72300
CM	74292	06-JUL-2009	04:40:45.968	04:52:20.368	694.40000
MM	74293	06-JUL-2009	05:54:49.148	06:00:46.353	357.20500
MM	74294	06-JUL-2009	07:35:57.357	07:43:49.139	471.78200
JO	74294	06-JUL-2009	07:14:27.024	07:27:36.794	789.77000
MM	74295	06-JUL-2009	09:16:25.383	09:26:35.262	609.87900
MA	74295	06-JUL-2009	08:36:49.281	08:49:02.229	732.94800
JO	74295	06-JUL-2009	08:52:56.149	09:07:17.218	861.06900
MM	74296	06-JUL-2009	10:56:35.502	11:08:23.337	707.83500
MA	74296	06-JUL-2009	10:15:42.575	10:28:11.639	749.06400
MM	74297	06-JUL-2009	12:36:32.164	12:49:07.194	755.03000
MM	74298	06-JUL-2009	14:16:14.342	14:28:57.860	763.51800
BE	74299	06-JUL-2009	14:50:02.057	15:02:44.921	762.86400
MM	74299	06-JUL-2009	15:55:40.301	16:08:15.652	755.35100
GS	74299	06-JUL-2009	15:16:26.448	15:29:50.875	804.42700
CM	74299	06-JUL-2009	15:26:21.968	15:35:56.682	574.71400
MM	74300	06-JUL-2009	17:34:52.041	17:47:23.836	751.79500

KS	74300	06-JUL-2009	16:42:16.752	16:54:38.773	742.02100
GS	74300	06-JUL-2009	16:55:57.759	17:08:52.618	774.85900
CM	74300	06-JUL-2009	17:04:40.588	17:16:08.683	688.09500
MM	74301	06-JUL-2009	19:14:01.082	19:26:40.143	759.06100
JO	74301	06-JUL-2009	19:34:30.295	19:46:40.983	730.68800
MM	74302	06-JUL-2009	20:53:28.611	21:06:12.216	763.60500
MA	74302	06-JUL-2009	19:52:34.104	20:05:33.334	779.23000
JO	74302	06-JUL-2009	21:12:43.221	21:27:24.101	880.88000
MM	74303	06-JUL-2009	22:33:37.765	22:46:00.196	742.43100
MA	74303	06-JUL-2009	21:31:52.262	21:44:50.582	778.32000

[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

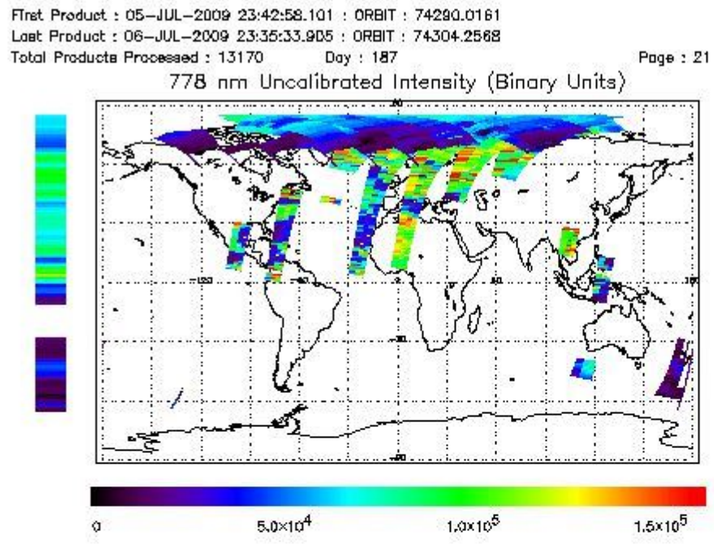
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

(1)

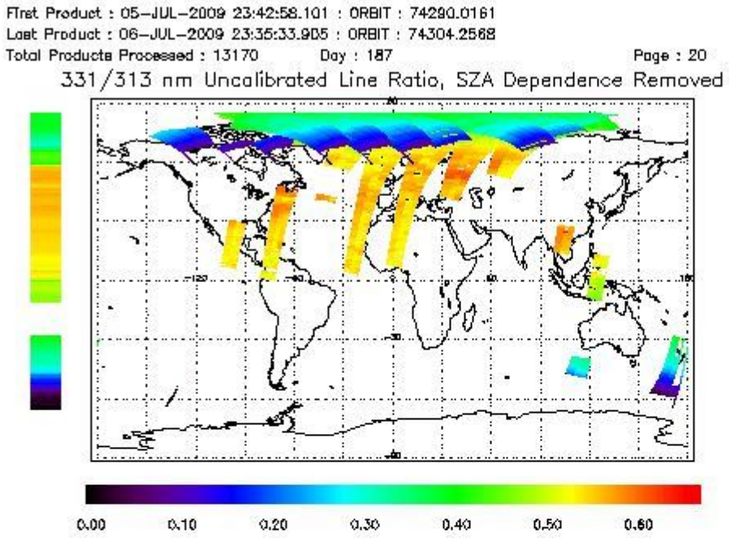
2.2 - Daily Plots

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

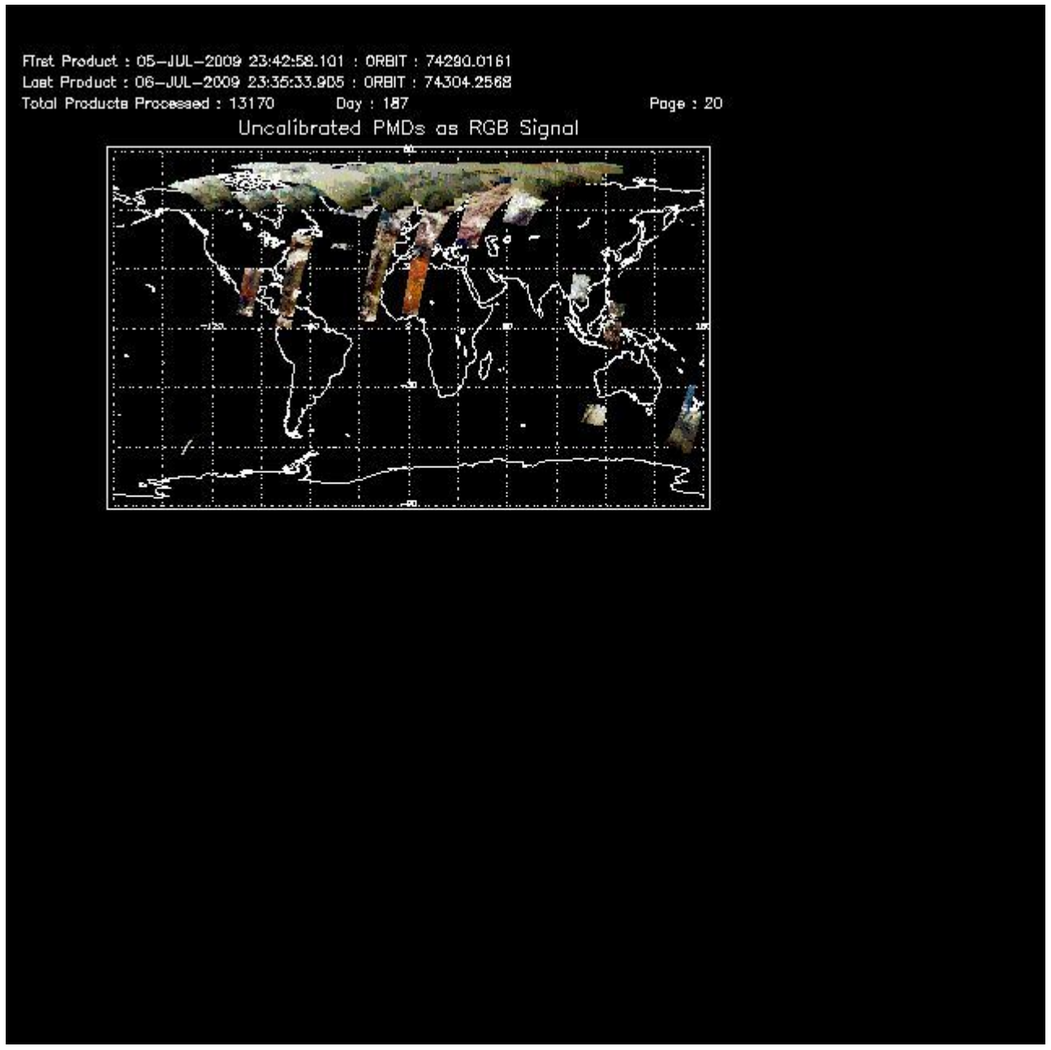
NEAR IR Intensity



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	18:24:51.511	--	74301	Y	--	14640

(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)

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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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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