GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-SEP-2009
Start Time of First Product	23:40:21
Stop Time of Last Product	23:32:51
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	No solar calibration measurements available due to missing data

1.2 - List of received products

Name	Date	Time
EGOI_090930GSEP9655.E2	30-SEP-2009	01:28:27.886
EGOI_090930GSEP9682.E2	30-SEP-2009	03:06:10.479
EGOI_090930GSEP9708.E2	30-SEP-2009	04:48:47.104
EGOI_090930GSEP9715.E2	30-SEP-2009	06:30:41.727
EGOI_090930KSEP5982.E2	29-SEP-2009	23:55:51.319
EGOI_090930KSEP5993.E2	30-SEP-2009	06:47:44.836
EGOI_090930KSEP6012.E2	30-SEP-2009	08:27:42.452
EGOI_090930KSEP6034.E2	30-SEP-2009	10:07:22.056
EGOI_090930KSEP6059.E2	30-SEP-2009	11:46:57.170

EGOI_090930KSEP6079.E2	30-SEP-2009	13:25:56.269
EGOI_090930KSEP6092.E2	30-SEP-2009	15:04:37.371
EGOI_090930KSEP6122.E2	30-SEP-2009	16:42:09.470
EGOI_090930KSEP6155.E2	30-SEP-2009	18:20:10.070
EGOI_090930KSEP6191.E2	30-SEP-2009	19:58:43.676
EGOI_090930KSEP6219.E2	30-SEP-2009	21:39:33.791
EGOI_090930KSEP6248.E2	30-SEP-2009	23:22:40.418
EGOI_090930MAEP4386.E2	30-SEP-2009	08:35:37.995
EGOI_090930MAEP4400.E2	30-SEP-2009	10:14:49.102
EGOI_090930MAEP4422.E2	30-SEP-2009	21:31:33.744
EGOI_090930MIEP0156.E2	30-SEP-2009	03:02:02.956
EGOI_090930MIEP0182.E2	30-SEP-2009	04:42:44.069
EGOI_090930MIEP0205.E2	30-SEP-2009	15:22:13.480
EGOI_090930MIEP0233.E2	30-SEP-2009	17:01:53.088
EGOI_090930MSEP8843.E2	29-SEP-2009	23:40:21.229
EGOI_090930MSEP8866.E2	30-SEP-2009	10:22:07.146
EGOI_090930MSEP8895.E2	30-SEP-2009	11:59:49.748
EGOI_090930MSEP8907.E2	30-SEP-2009	13:42:24.875
EGOI_090930MSEP8926.E2	30-SEP-2009	21:32:45.748
EGOI_090930MSEP8958.E2	30-SEP-2009	23:08:49.332

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75521	29-SEP-2009	23:54:12.978	23:55:51.318	98.340000
KS	75525	30-SEP-2009	06:45:47.762	06:47:44.835	117.07300
KS	75526	30-SEP-2009	08:25:08.748	08:27:42.452	153.70400
KS	75527	30-SEP-2009	10:04:46.382	10:07:22.056	155.67400
KS	75528	30-SEP-2009	11:44:16.441	11:46:57.169	160.72800
KS	75529	30-SEP-2009	13:23:21.043	13:25:56.268	155.22500
KS	75530	30-SEP-2009	15:01:53.274	15:04:37.371	164.09700
KS	75531	30-SEP-2009	16:39:29.826	16:42:09.470	159.64400
KS	75531	30-SEP-2009	16:49:27.513	16:51:49.392	141.87900
KS	75532	30-SEP-2009	18:17:23.791	18:20:10.069	166.27800
KS	75533	30-SEP-2009	19:56:28.502	19:58:43.676	135.17400
KS	75534	30-SEP-2009	21:37:22.778	21:39:33.791	131.01300
KS	75535	30-SEP-2009	23:20:51.560	23:22:40.417	108.85700
GS	75522	30-SEP-2009	01:26:24.286	01:28:27.885	123.59900
GS	75523	30-SEP-2009	03:04:06.643	03:06:10.479	123.83600
GS	75524	30-SEP-2009	04:46:55.599	04:48:47.103	111.50400

MS	75527	30-SEP-2009	10:19:26.527	10:22:07.146	160.61900
MS	75528	30-SEP-2009	11:57:09.627	11:59:49.747	160.12000
MS	75535	30-SEP-2009	23:06:23.805	23:08:49.332	145.52700
MA	75526	30-SEP-2009	08:33:56.120	08:35:37.994	101.87400
MA	75527	30-SEP-2009	10:12:51.137	10:14:49.101	117.96400
MA	75534	30-SEP-2009	21:28:58.310	21:31:33.743	155.43300
MI	75523	30-SEP-2009	02:59:31.186	03:02:02.955	151.76900
MI	75524	30-SEP-2009	04:40:18.294	04:42:44.068	145.77400
MI	75530	30-SEP-2009	15:19:45.350	15:22:13.479	148.12900
MI	75531	30-SEP-2009	16:59:25.608	17:01:53.088	147.48000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75521	30-SEP-2009	00:32:01.440	00:46:32.321	870.88100
MM	75521	30-SEP-2009	00:43:51.556	00:54:39.319	647.76300
BE	75522	30-SEP-2009	01:51:29.316	02:02:42.856	673.54000
MM	75522	30-SEP-2009	02:26:21.075	02:35:00.481	519.40600
SG	75522	30-SEP-2009	02:05:04.774	02:12:46.616	461.84200
BE	75523	30-SEP-2009	03:30:11.454	03:43:18.205	786.75100
MM	75523	30-SEP-2009	04:09:26.265	04:15:51.180	384.91500
SG	75523	30-SEP-2009	03:41:07.599	03:54:53.507	825.90800
CM	75523	30-SEP-2009	03:00:07.114	03:09:18.138	551.02400
MM	75524	30-SEP-2009	05:51:54.731	05:57:50.268	355.53700
CM	75524	30-SEP-2009	06:18:27.338	06:30:09.919	702.58100
MM	75525	30-SEP-2009	07:33:04.715	07:40:52.396	467.68100
JO	75525	30-SEP-2009	07:11:43.853	07:24:42.469	778.61600
MM	75526	30-SEP-2009	09:13:33.450	09:23:39.803	606.35300
JO	75526	30-SEP-2009	08:50:02.296	09:04:29.541	867.24500
HO	75527	30-SEP-2009	11:05:10.970	11:13:57.525	526.55500
MM	75527	30-SEP-2009	10:53:43.972	11:05:29.733	705.76100
HO	75528	30-SEP-2009	12:42:26.070	12:57:09.792	883.72200
MM	75528	30-SEP-2009	12:33:41.023	12:46:15.331	754.30800
MA	75528	30-SEP-2009	11:55:05.035	11:59:33.744	268.70900
HO	75529	30-SEP-2009	14:22:22.823	14:34:55.516	752.69300
MM	75529	30-SEP-2009	14:13:23.643	14:26:07.267	763.62400

SG	75529	30-SEP-2009	14:37:30.285	14:49:44.275	733.99000
BE	75530	30-SEP-2009	14:47:07.889	14:59:56.524	768.63500
MM	75530	30-SEP-2009	15:52:50.071	16:05:25.670	755.59900
GS	75530	30-SEP-2009	15:13:37.425	15:26:57.035	799.61000
SG	75530	30-SEP-2009	16:16:37.876	16:28:49.139	731.26300
CM	75530	30-SEP-2009	15:23:40.966	15:32:56.105	555.13900
MM	75531	30-SEP-2009	17:32:02.111	17:44:33.837	751.72600
GS	75531	30-SEP-2009	16:53:05.869	17:06:06.502	780.63300
CM	75531	30-SEP-2009	17:01:46.928	17:13:23.497	696.56900
MM	75532	30-SEP-2009	19:11:10.969	19:23:49.759	758.79000
JO	75532	30-SEP-2009	19:31:47.022	19:43:41.442	714.42000
MM	75533	30-SEP-2009	20:50:37.633	21:03:21.356	763.72300
MA	75533	30-SEP-2009	19:49:48.547	20:02:37.440	768.89300
JO	75533	30-SEP-2009	21:09:51.556	21:24:36.545	884.98900
HO	75534	30-SEP-2009	22:23:26.252	22:35:22.556	716.30400
MM	75534	30-SEP-2009	22:30:45.320	22:43:08.911	743.59100

[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	South Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK

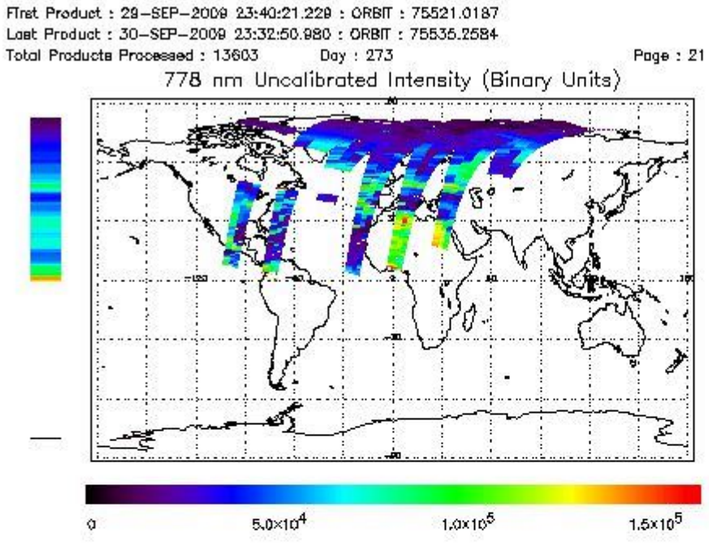
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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)

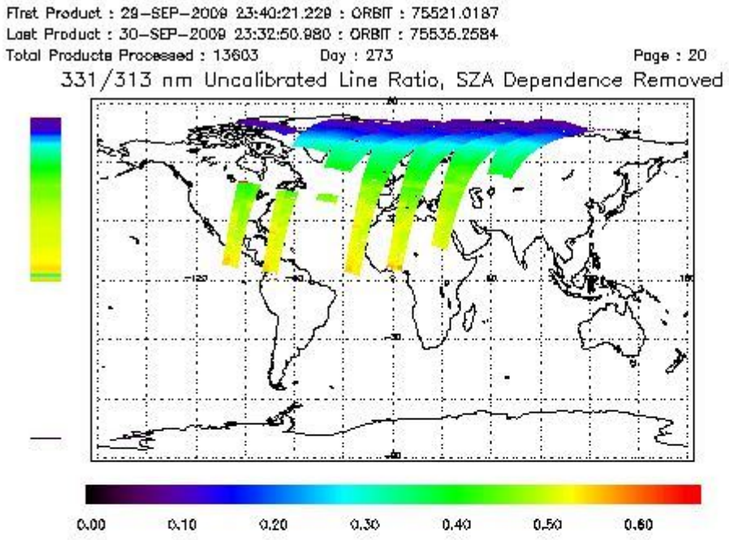
2.2 - Daily Plots

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

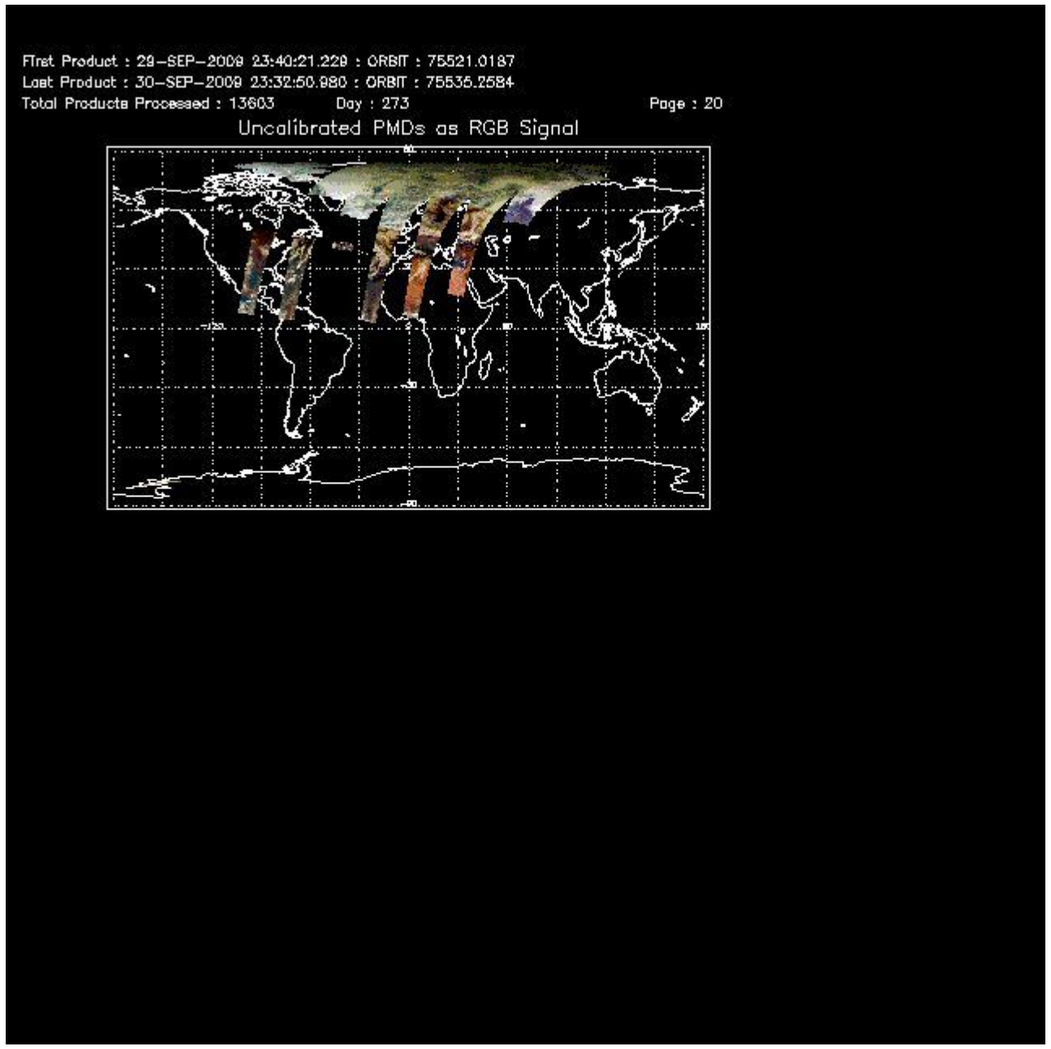
NEAR IR Intensity



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)

[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

01:00 05-Sep	--	75164	--

[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