

GOME Daily Report

INDEX

1. General Info
 - 1.1 Report Summary
 - 1.2 List of received products
 - 1.3 List of data gaps
 - 1.4 List of missing products
 - 1.5 List of corrupted products
2. Instrument Indicators and Daily Plots
 - 2.1 Instrument Indicators Status
 - 2.2 Daily Plots
3. Instrument Calibration
 - 3.1 Solar Calibration (daily/TST44)
 - 3.2 Lamp Calibration (quarterly/TST44)
4. Instrument Anomalies
 - 4.1 Single Event Upset (SEU)
 - 4.2 Instrument Off
 - 4.3 Cooler Switchings
5. Instrument Operations
 - 5.1 Timeline Interruptions
 - 5.2 TST44
 - 5.3 Power Cycle
 - 5.4 Wrong Command Execution
 - 5.5 Narrow Swath Timeline
 - 5.6 Seasonal Operations

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-SEP-2009
Start Time of First Product	00:09:22
Stop Time of Last Product	23:50:50
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	One orbit 75144 in Nadir Static View due to ERS-2 payload synchronization; no solar calibration available due to the execution of an ERS-2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_090910GSEP8471.E2	10-SEP-2009	01:55:57.009
EGOI_090910GSEP8477.E2	10-SEP-2009	03:34:50.099
EGOI_090910GSEP8483.E2	10-SEP-2009	05:17:38.720
EGOI_090910KSEP0871.E2	10-SEP-2009	07:16:09.443
EGOI_090910KSEP0881.E2	10-SEP-2009	08:56:10.049
EGOI_090910KSEP0891.E2	10-SEP-2009	10:35:49.646
EGOI_090910KSEP0900.E2	10-SEP-2009	12:15:14.248
EGOI_090910KSEP0909.E2	10-SEP-2009	13:54:11.841
EGOI_090910KSEP0936.E2	10-SEP-2009	15:32:30.440

EGOI_090910KSEP0968.E2	10-SEP-2009	17:10:01.031
EGOI_090910KSEP1003.E2	10-SEP-2009	18:48:01.623
EGOI_090910KSEP1027.E2	10-SEP-2009	20:27:14.221
EGOI_090910KSEP1057.E2	10-SEP-2009	22:08:43.336
EGOI_090910MAEP3692.E2	10-SEP-2009	09:04:08.591
EGOI_090910MAEP3697.E2	10-SEP-2009	10:43:21.189
EGOI_090910MAEP3710.E2	10-SEP-2009	20:21:03.685
EGOI_090910MIEP8864.E2	10-SEP-2009	01:54:42.000
EGOI_090910MIEP8870.E2	10-SEP-2009	03:31:57.583
EGOI_090910MIEP8876.E2	10-SEP-2009	05:13:34.196
EGOI_090910MMEP8067.E2	10-SEP-2009	02:56:58.872
EGOI_090910MMEP8074.E2	10-SEP-2009	06:21:51.106
EGOI_090910MMEP8081.E2	10-SEP-2009	09:43:43.334
EGOI_090910MMEP8087.E2	10-SEP-2009	11:23:52.935
EGOI_090910MMEP8094.E2	10-SEP-2009	16:23:02.240
EGOI_090910MMEP8102.E2	10-SEP-2009	21:21:22.045
EGOI_090910MMEP8109.E2	10-SEP-2009	23:01:16.646
EGOI_090910MSEP6740.E2	10-SEP-2009	00:09:21.864
EGOI_090910MSEP6748.E2	10-SEP-2009	10:49:30.228
EGOI_090910MSEP6756.E2	10-SEP-2009	12:28:35.330
EGOI_090910MSEP6783.E2	10-SEP-2009	21:59:11.777
EGOI_090910MSEP6813.E2	10-SEP-2009	23:37:22.876
EGOI_090910SGEP9596.E2	10-SEP-2009	02:33:39.231
EGOI_090910SGEP9602.E2	10-SEP-2009	04:12:23.329
EGOI_090910SGEP9606.E2	10-SEP-2009	15:07:39.291
EGOI_090910SGEP9615.E2	10-SEP-2009	16:49:20.406

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75239	10-SEP-2009	07:14:06.286	07:16:09.443	123.15700
KS	75240	10-SEP-2009	08:53:36.392	08:56:10.048	153.65600
KS	75241	10-SEP-2009	10:33:13.621	10:35:49.646	156.02500
KS	75242	10-SEP-2009	12:12:38.361	12:15:14.248	155.88700
KS	75243	10-SEP-2009	13:51:32.987	13:54:11.840	158.85300
KS	75244	10-SEP-2009	15:29:40.271	15:32:30.440	170.16900
KS	75245	10-SEP-2009	17:07:22.241	17:10:01.031	158.79000
KS	75246	10-SEP-2009	18:45:33.287	18:48:01.622	148.33500
KS	75247	10-SEP-2009	20:25:05.506	20:27:14.220	128.71400
KS	75248	10-SEP-2009	22:06:38.173	22:08:43.335	125.16200
KS	75249	10-SEP-2009	23:51:09.328	23:52:46.969	97.641000
GS	75236	10-SEP-2009	01:53:51.975	01:55:57.008	125.03300

GS	75237	10-SEP-2009	03:32:50.702	03:34:50.099	119.39700
MS	75235	10-SEP-2009	00:07:04.285	00:09:21.864	137.57900
MS	75241	10-SEP-2009	10:46:51.040	10:49:30.227	159.18700
MS	75242	10-SEP-2009	12:25:52.583	12:28:35.329	162.74600
MS	75248	10-SEP-2009	21:57:13.105	21:59:11.776	118.67100
MS	75249	10-SEP-2009	23:34:58.677	23:37:22.876	144.19900
MA	75240	10-SEP-2009	09:02:46.155	09:04:08.591	82.436000
MA	75241	10-SEP-2009	10:41:16.588	10:43:21.189	124.60100
MA	75247	10-SEP-2009	20:17:34.838	20:21:03.684	208.84600
MI	75236	10-SEP-2009	01:52:29.209	01:54:42.000	132.79100
MI	75237	10-SEP-2009	03:27:35.614	03:31:57.583	261.96900
MI	75238	10-SEP-2009	05:11:27.398	05:13:34.196	126.79800
MM	75236	10-SEP-2009	02:55:46.937	02:56:58.871	71.934000
MM	75240	10-SEP-2009	09:42:12.201	09:43:43.334	91.133000
MM	75241	10-SEP-2009	11:22:18.786	11:23:52.935	94.149000
MM	75244	10-SEP-2009	16:21:11.838	16:23:02.240	110.40200
MM	75247	10-SEP-2009	21:19:09.014	21:21:22.044	133.03000
MM	75248	10-SEP-2009	22:59:32.006	23:01:16.645	104.63900
SG	75236	10-SEP-2009	02:31:24.672	02:33:39.230	134.55800
SG	75237	10-SEP-2009	04:09:58.001	04:12:23.329	145.32800
SG	75243	10-SEP-2009	15:05:07.368	15:07:39.291	151.92300
SG	75244	10-SEP-2009	16:46:30.208	16:49:20.406	170.19800

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75235	10-SEP-2009	01:01:10.966	01:14:35.847	804.88100
MM	75235	10-SEP-2009	01:13:02.610	01:23:17.798	615.18800
KS	75235	10-SEP-2009	00:25:42.625	00:27:23.581	100.95600
BE	75236	10-SEP-2009	02:19:21.775	02:32:03.905	762.13000
BE	75237	10-SEP-2009	03:58:51.491	04:11:03.556	732.06500
MM	75237	10-SEP-2009	04:38:50.569	04:44:50.582	360.01300
CM	75237	10-SEP-2009	03:27:10.195	03:38:37.224	687.02900
CM	75237	10-SEP-2009	05:07:20.384	05:16:57.324	576.94000
MM	75239	10-SEP-2009	08:01:49.874	08:10:18.831	508.95700
JO	75239	10-SEP-2009	07:39:11.656	07:53:35.767	864.11100

JO	75240	10-SEP-2009	09:19:17.252	09:32:14.262	777.01000
MM	75242	10-SEP-2009	13:02:11.897	13:14:52.029	760.13200
HO	75243	10-SEP-2009	14:51:19.936	15:01:02.249	582.31300
MM	75243	10-SEP-2009	14:41:50.037	14:54:32.061	762.02400
GS	75243	10-SEP-2009	14:04:17.487	14:12:37.032	499.54500
BE	75244	10-SEP-2009	15:16:24.767	15:27:51.533	686.76600
MI	75244	10-SEP-2009	15:47:46.654	16:01:05.982	799.32800
GS	75244	10-SEP-2009	15:41:52.420	15:55:44.409	831.98900
CM	75244	10-SEP-2009	15:50:58.360	16:02:31.731	693.37100
MM	75245	10-SEP-2009	18:00:21.343	18:12:54.210	752.86700
MI	75245	10-SEP-2009	17:28:57.438	17:37:24.492	507.05400
GS	75245	10-SEP-2009	17:21:48.512	17:33:37.439	708.92700
CM	75245	10-SEP-2009	17:31:01.012	17:40:32.876	571.86400
MM	75246	10-SEP-2009	19:39:32.857	19:52:14.214	761.35700
MA	75246	10-SEP-2009	18:44:46.006	18:48:51.799	245.79300
JO	75246	10-SEP-2009	19:59:17.785	20:13:14.487	836.70200
JO	75247	10-SEP-2009	21:38:36.359	21:52:18.393	822.03400
HO	75248	10-SEP-2009	22:50:51.276	23:04:01.984	790.70800
MA	75248	10-SEP-2009	21:58:48.609	22:09:54.419	665.81000

[[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

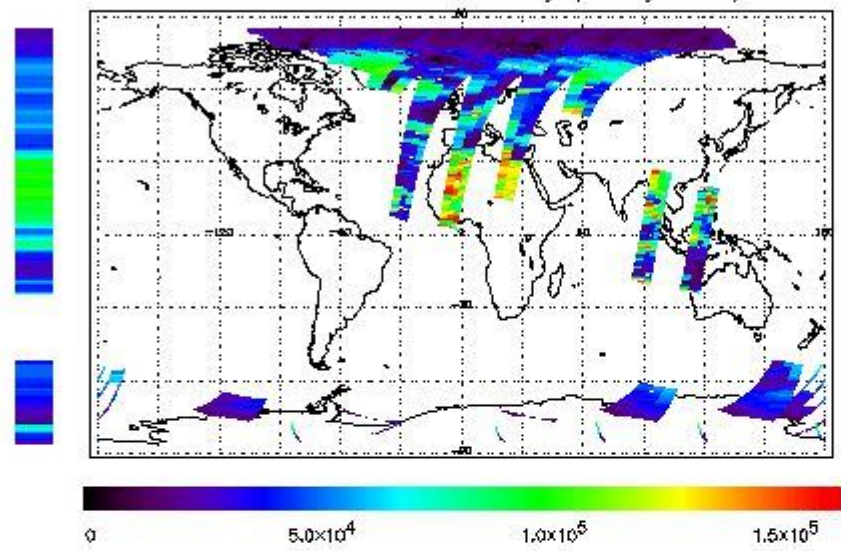
(1)

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 explanation see the GOME Performance Legend

NEAR IR Intensity

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

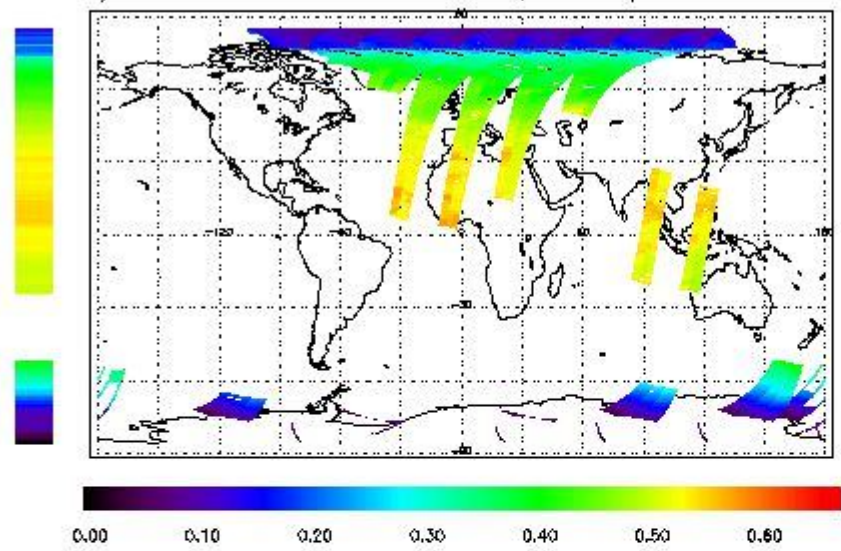
First Product : 10-SEP-2009 00:09:21.864 : ORBIT : 75235.0214

Last Product : 10-SEP-2009 23:50:49.958 : ORBIT : 75249.1515

Total Products Processed : 17268 Day : 253

Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

Uncalibrated PMDs as RGB Signal



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)
--	--	--	--	--	--	--

(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)
--	--	--	--	--	--	--	--

(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)
--	--	--	--	--

(2)

4.2 - Instrument Off

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

(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
--	--	--	--	--	--	--	--	--

(2)

[BACK TO MENU]

5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
14:30:41	15:32:30	75143	75144	NE

(2)

5.2 - TST44

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

(2)

5.3 - Power Cycle

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

(2)

5.4 - Wrong Command Execution

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

(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

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