

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	03-AUG-2009
Start Time of First Product	00:03:28
Stop Time of Last Product	23:45:09
Number of EGOI Products analysed	19
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090803BEEP0347.E2	03-AUG-2009	02:21:27.561
EGOI_090803GSEP5960.E2	03-AUG-2009	01:50:33.374
EGOI_090803KSEP1123.E2	03-AUG-2009	07:10:27.815
EGOI_090803KSEP1144.E2	03-AUG-2009	08:50:26.921
EGOI_090803KSEP1171.E2	03-AUG-2009	10:30:08.038
EGOI_090803KSEP1201.E2	03-AUG-2009	12:09:31.140
EGOI_090803KSEP1217.E2	03-AUG-2009	13:48:31.748
EGOI_090803KSEP1245.E2	03-AUG-2009	15:26:59.346
EGOI_090803KSEP1277.E2	03-AUG-2009	17:04:26.940

EGOI_090803KSEP1310.E2	03-AUG-2009	22:03:04.756
EGOI_090803MAEP2349.E2	03-AUG-2009	08:58:32.971
EGOI_090803MIEP5681.E2	03-AUG-2009	17:25:30.061
EGOI_090803MMEP6711.E2	03-AUG-2009	21:15:28.463
EGOI_090803MSEP2543.E2	03-AUG-2009	00:03:28.225
EGOI_090803MSEP2561.E2	03-AUG-2009	10:44:00.620
EGOI_090803MSEP2589.E2	03-AUG-2009	12:22:50.722
EGOI_090803MSEP2618.E2	03-AUG-2009	21:53:51.196
EGOI_090803MSEP2627.E2	03-AUG-2009	23:32:05.295
EGOI_090803SGEP8953.E2	03-AUG-2009	02:28:11.100

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74695	03-AUG-2009	07:08:26.110	07:10:27.814	121.70400
KS	74696	03-AUG-2009	08:47:54.812	08:50:26.920	152.10800
KS	74697	03-AUG-2009	10:27:32.242	10:30:08.037	155.79500
KS	74698	03-AUG-2009	12:06:58.164	12:09:31.139	152.97500
KS	74699	03-AUG-2009	13:45:54.167	13:48:31.748	157.58100
KS	74700	03-AUG-2009	15:24:04.923	15:26:59.345	174.42200
KS	74701	03-AUG-2009	17:01:47.063	17:04:26.939	159.87600
KS	74704	03-AUG-2009	22:00:46.053	22:03:04.756	138.70300
KS	74705	03-AUG-2009	23:45:03.260	23:46:47.385	104.12500
GS	74692	03-AUG-2009	01:48:20.582	01:50:33.373	132.79100
MS	74691	03-AUG-2009	00:01:10.534	00:03:28.224	137.69000
MS	74697	03-AUG-2009	10:41:22.006	10:44:00.620	158.61400
MS	74698	03-AUG-2009	12:20:09.510	12:22:50.721	161.21100
MS	74704	03-AUG-2009	21:51:51.565	21:53:51.196	119.63100
MS	74705	03-AUG-2009	23:29:13.235	23:32:05.295	172.06000
MA	74696	03-AUG-2009	08:56:50.467	08:58:32.970	102.50300
MI	74701	03-AUG-2009	17:22:58.623	17:25:30.060	151.43700
MM	74703	03-AUG-2009	21:13:26.444	21:15:28.463	122.01900
BE	74692	03-AUG-2009	02:13:45.561	02:21:27.561	462.00000
SG	74692	03-AUG-2009	02:26:01.545	02:28:11.099	129.55400

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
---------	-------	------	------------	-----------	--------------

HO	74691	03-AUG-2009	00:55:21.544	01:09:00.230	818.68600
MM	74691	03-AUG-2009	01:07:11.986	01:17:33.999	622.01300
KS	74691	03-AUG-2009	00:19:08.032	00:22:13.760	185.72800
MM	74692	03-AUG-2009	02:49:53.561	02:57:59.921	486.36000
MI	74692	03-AUG-2009	01:47:35.461	01:52:38.097	302.63600
BE	74693	03-AUG-2009	03:53:06.527	04:05:32.592	746.06500
MM	74693	03-AUG-2009	04:32:58.068	04:39:02.175	364.10700
MI	74693	03-AUG-2009	03:21:56.218	03:35:17.939	801.72100
GS	74693	03-AUG-2009	03:27:03.981	03:40:38.436	814.45500
SG	74693	03-AUG-2009	04:04:09.138	04:17:09.922	780.78400
CM	74693	03-AUG-2009	03:21:41.264	03:32:48.806	667.54200
CM	74693	03-AUG-2009	05:01:21.800	05:11:32.942	611.14200
MM	74694	03-AUG-2009	06:15:08.124	06:21:20.436	372.31200
MI	74694	03-AUG-2009	05:04:57.305	05:11:37.213	399.90800
MM	74695	03-AUG-2009	07:56:05.052	08:04:25.746	500.69400
JO	74695	03-AUG-2009	07:33:39.413	07:47:50.736	851.32300
MM	74696	03-AUG-2009	09:36:28.552	09:47:02.066	633.51400
JO	74696	03-AUG-2009	09:13:23.085	09:26:43.722	800.63700
HO	74697	03-AUG-2009	11:26:47.398	11:38:07.306	679.90800
MM	74697	03-AUG-2009	11:16:35.911	11:28:37.069	721.15800
MA	74697	03-AUG-2009	10:35:32.499	10:47:24.516	712.01700
HO	74698	03-AUG-2009	13:05:03.804	13:19:53.128	889.32400
MM	74698	03-AUG-2009	12:56:29.819	13:09:09.025	759.20600
HO	74699	03-AUG-2009	14:45:30.909	14:55:43.005	612.09600
MM	74699	03-AUG-2009	14:36:08.867	14:48:51.296	762.42900
GS	74699	03-AUG-2009	13:58:56.398	14:06:24.179	447.78100
SG	74699	03-AUG-2009	14:59:32.891	15:12:58.602	805.71100
BE	74700	03-AUG-2009	15:10:30.468	15:22:18.337	707.86900
MM	74700	03-AUG-2009	16:15:31.579	16:28:05.351	753.77200
MI	74700	03-AUG-2009	15:42:08.471	15:55:22.731	794.26000
GS	74700	03-AUG-2009	15:36:12.638	15:50:00.827	828.18900
SG	74700	03-AUG-2009	16:40:25.427	16:50:18.067	592.64000
CM	74700	03-AUG-2009	15:45:26.863	15:56:41.135	674.27200
MM	74701	03-AUG-2009	17:54:41.502	18:07:14.064	752.56200
GS	74701	03-AUG-2009	17:16:03.274	17:28:09.121	725.84700
CM	74701	03-AUG-2009	17:25:06.590	17:35:11.536	604.94600

MM	74702	03-AUG-2009	19:33:52.334	19:46:33.213	760.87900
KS	74702	03-AUG-2009	18:39:54.881	18:53:39.256	824.37500
JO	74702	03-AUG-2009	19:53:44.885	20:07:23.394	818.50900
MA	74703	03-AUG-2009	20:11:59.714	20:25:42.263	822.54900
KS	74703	03-AUG-2009	20:19:21.350	20:33:13.195	831.84500
JO	74703	03-AUG-2009	21:32:49.874	21:46:48.568	838.69400
HO	74704	03-AUG-2009	22:45:17.833	22:58:18.155	780.32200
MM	74704	03-AUG-2009	22:53:46.266	23:05:59.508	733.24200
MA	74704	03-AUG-2009	21:52:54.122	22:04:22.031	687.90900

[[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)

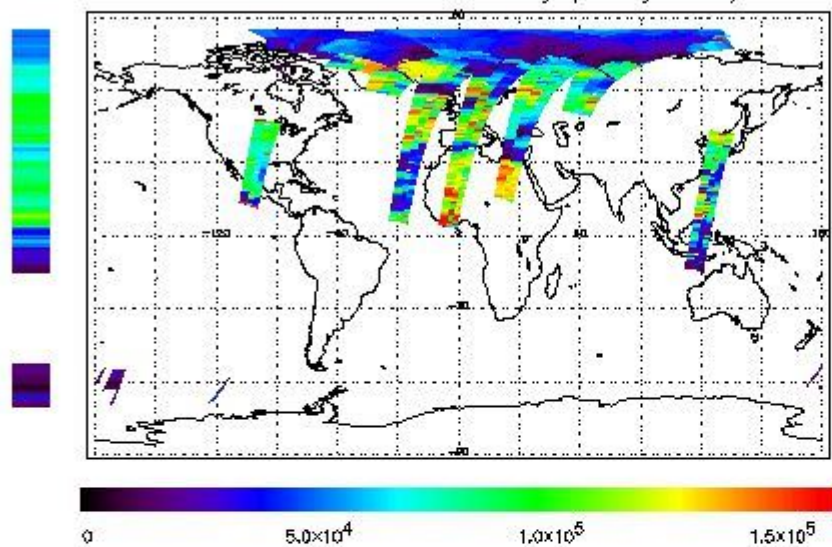
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the GOME Performance Legend

NEAR IR Intensity

First Product : 03-AUG-2000 00:03:28.225 : ORBIT : 74601.0199
 Last Product : 03-AUG-2000 23:45:09.873 : ORBIT : 74705.1523
 Total Products Processed : 9171 Day : 215 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

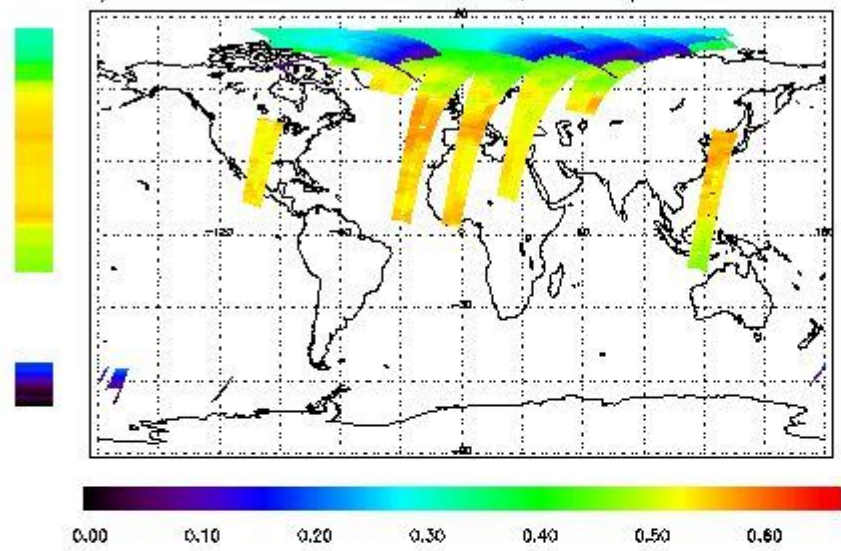
First Product : 03-AUG-2008 00:03:28.225 : ORBIT : 74681.0199

Last Product : 03-AUG-2008 23:45:09.873 : ORBIT : 74705.1523

Total Products Processed : 9171 Day : 215

Page : 20

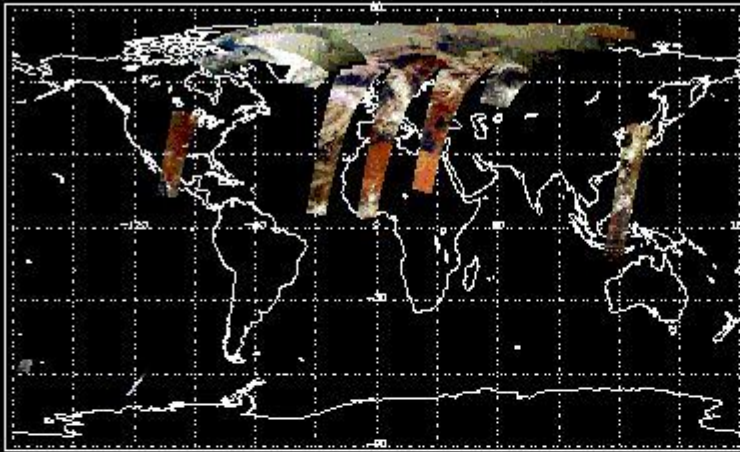
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 03-AUG-2009 00:03:28.225 : ORBIT : 74691.0199
 Last Product : 03-AUG-2009 23:45:09.873 : ORBIT : 74705.1523
 Total Products Processed : 9171 Day : 215 Page : 20

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)
D	17:05:50	--	74701	Y	--	14743

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

(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
--	--	--	--

[[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