

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	26-AUG-2009
Start Time of First Product	23:55:53 (25-AUG-2009)
Stop Time of Last Product	23:32:50
Number of EGOI Products analysed	37
Number of corrupted products	3
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090826BEEP0523.E2	26-AUG-2009	01:54:11.930
EGOI_090826GSEP7395.E2	26-AUG-2009	01:28:26.782
EGOI_090826GSEP7422.E2	26-AUG-2009	03:06:10.869
EGOI_090826GSEP7449.E2	26-AUG-2009	04:48:50.494
EGOI_090826GSEP7455.E2	26-AUG-2009	06:30:39.107
EGOI_090826HLEP3428.E2	26-AUG-2009	00:36:51.965
EGOI_090826HLEP3436.E2	26-AUG-2009	11:12:43.820
EGOI_090826HLEP3443.E2	26-AUG-2009	12:47:32.390
EGOI_090826HLEP3451.E2	26-AUG-2009	14:27:30.001

EGOI_090826KSEP7036.E2	25-AUG-2009	23:55:53.219
EGOI_090826KSEP7055.E2	26-AUG-2009	06:47:45.209
EGOI_090826KSEP7075.E2	26-AUG-2009	08:27:42.818
EGOI_090826KSEP7098.E2	26-AUG-2009	10:07:22.420
EGOI_090826KSEP7122.E2	26-AUG-2009	11:46:56.027
EGOI_090826KSEP7139.E2	26-AUG-2009	13:25:55.128
EGOI_090826KSEP7151.E2	26-AUG-2009	15:04:33.224
EGOI_090826KSEP7170.E2	26-AUG-2009	16:42:09.819
EGOI_090826KSEP7201.E2	26-AUG-2009	18:20:10.409
EGOI_090826KSEP7223.E2	26-AUG-2009	19:58:44.008
EGOI_090826KSEP7255.E2	26-AUG-2009	21:39:37.114
EGOI_090826KSEP7273.E2	26-AUG-2009	23:22:37.741
EGOI_090826MAEP3131.E2	26-AUG-2009	08:36:20.372
EGOI_090826MAEP3146.E2	26-AUG-2009	10:14:49.463
EGOI_090826MAEP3156.E2	26-AUG-2009	19:53:25.976
EGOI_090826MIEP7655.E2	26-AUG-2009	03:01:54.346
EGOI_090826MIEP7680.E2	26-AUG-2009	04:42:41.455
EGOI_090826MIEP7704.E2	26-AUG-2009	15:22:12.329
EGOI_090826MIEP7731.E2	26-AUG-2009	17:02:02.432
EGOI_090826MSEP5086.E2	26-AUG-2009	10:22:06.010
EGOI_090826MSEP5115.E2	26-AUG-2009	11:59:50.101
EGOI_090826MSEP5128.E2	26-AUG-2009	13:42:20.724
EGOI_090826MSEP5151.E2	26-AUG-2009	21:32:40.075
EGOI_090826MSEP5183.E2	26-AUG-2009	23:08:45.159
EGOI_090826SGEP9193.E2	26-AUG-2009	02:06:55.383
EGOI_090826SGEP9200.E2	26-AUG-2009	03:43:21.469
EGOI_090826SGEP9206.E2	26-AUG-2009	14:41:27.083
EGOI_090826SGEP9214.E2	26-AUG-2009	16:19:20.178

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75020	25-AUG-2009	23:54:12.978	23:55:53.219	100.24100
KS	75024	26-AUG-2009	06:45:47.762	06:47:45.209	117.44700
KS	75025	26-AUG-2009	08:25:08.748	08:27:42.817	154.06900
KS	75026	26-AUG-2009	10:04:46.382	10:07:22.420	156.03800
KS	75027	26-AUG-2009	11:44:16.441	11:46:56.026	159.58500
KS	75028	26-AUG-2009	13:23:21.042	13:25:55.128	154.08600
KS	75029	26-AUG-2009	15:01:53.274	15:04:33.223	159.94900
KS	75030	26-AUG-2009	16:39:29.826	16:42:09.818	159.99200
KS	75031	26-AUG-2009	18:17:23.791	18:20:10.408	166.61700
KS	75032	26-AUG-2009	19:56:28.502	19:58:44.008	135.50600

KS	75033	26-AUG-2009	21:37:22.778	21:39:37.113	134.33500
KS	75034	26-AUG-2009	23:20:51.560	23:22:37.741	106.18100
GS	75021	26-AUG-2009	01:26:24.285	01:28:26.781	122.49600
GS	75022	26-AUG-2009	03:04:06.643	03:06:10.868	124.22500
GS	75023	26-AUG-2009	04:46:55.599	04:48:50.493	114.89400
MS	75026	26-AUG-2009	10:19:26.527	10:22:06.009	159.48200
MS	75027	26-AUG-2009	11:57:09.627	11:59:50.101	160.47400
MS	75034	26-AUG-2009	23:06:23.805	23:08:45.159	141.35400
MA	75025	26-AUG-2009	08:33:56.120	08:36:20.371	144.25100
MA	75026	26-AUG-2009	10:12:51.137	10:14:49.462	118.32500
MA	75032	26-AUG-2009	19:49:48.547	19:53:25.975	217.42800
MI	75022	26-AUG-2009	02:59:31.186	03:01:54.345	143.15900
MI	75023	26-AUG-2009	04:40:18.294	04:42:41.454	143.16000
MI	75029	26-AUG-2009	15:19:45.350	15:22:12.329	146.97900
MI	75030	26-AUG-2009	16:59:25.608	17:02:02.431	156.82300
BE	75021	26-AUG-2009	01:51:29.315	01:54:11.929	162.61400
SG	75021	26-AUG-2009	02:05:04.773	02:06:55.383	110.61000
SG	75022	26-AUG-2009	03:41:07.599	03:43:21.468	133.86900
SG	75022	26-AUG-2009	03:49:00.504	03:54:53.507	353.00300
SG	75028	26-AUG-2009	14:37:30.284	14:41:27.083	236.79900
SG	75029	26-AUG-2009	16:16:37.876	16:19:20.177	162.30100

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75020	26-AUG-2009	00:43:51.556	00:54:39.319	647.76300
MM	75021	26-AUG-2009	02:26:21.074	02:35:00.480	519.40600
BE	75022	26-AUG-2009	03:30:11.454	03:43:18.205	786.75100
MM	75022	26-AUG-2009	04:09:26.265	04:15:51.180	384.91500
CM	75022	26-AUG-2009	03:00:07.114	03:09:18.138	551.02400
MM	75023	26-AUG-2009	05:51:54.731	05:57:50.268	355.53700
CM	75023	26-AUG-2009	06:18:27.338	06:30:09.919	702.58100
MM	75024	26-AUG-2009	07:33:04.715	07:40:52.396	467.68100
JO	75024	26-AUG-2009	07:11:43.853	07:24:42.469	778.61600
MM	75025	26-AUG-2009	09:13:33.450	09:23:39.803	606.35300
JO	75025	26-AUG-2009	08:50:02.296	09:04:29.541	867.24500

MM	75026	26-AUG-2009	10:53:43.972	11:05:29.733	705.76100
MM	75027	26-AUG-2009	12:33:41.023	12:46:15.331	754.30800
MA	75027	26-AUG-2009	11:55:05.035	11:59:33.744	268.70900
MM	75028	26-AUG-2009	14:13:23.642	14:26:07.266	763.62400
BE	75029	26-AUG-2009	14:47:07.889	14:59:56.524	768.63500
MM	75029	26-AUG-2009	15:52:50.071	16:05:25.670	755.59900
GS	75029	26-AUG-2009	15:13:37.425	15:26:57.035	799.61000
CM	75029	26-AUG-2009	15:23:40.966	15:32:56.105	555.13900
MM	75030	26-AUG-2009	17:32:02.111	17:44:33.837	751.72600
GS	75030	26-AUG-2009	16:53:05.869	17:06:06.502	780.63300
CM	75030	26-AUG-2009	17:01:46.928	17:13:23.497	696.56900
MM	75031	26-AUG-2009	19:11:10.969	19:23:49.759	758.79000
JO	75031	26-AUG-2009	19:31:47.022	19:43:41.442	714.42000
MM	75032	26-AUG-2009	20:50:37.633	21:03:21.356	763.72300
JO	75032	26-AUG-2009	21:09:51.556	21:24:36.545	884.98900
HO	75033	26-AUG-2009	22:23:26.252	22:35:22.556	716.30400
MM	75033	26-AUG-2009	22:30:45.320	22:43:08.911	743.59100
MA	75033	26-AUG-2009	21:28:58.310	21:42:02.385	784.07500

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
HL	75020	00:38:54.977
GS	75024	06:40:33.169
HL	75027	11:12:55.823

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

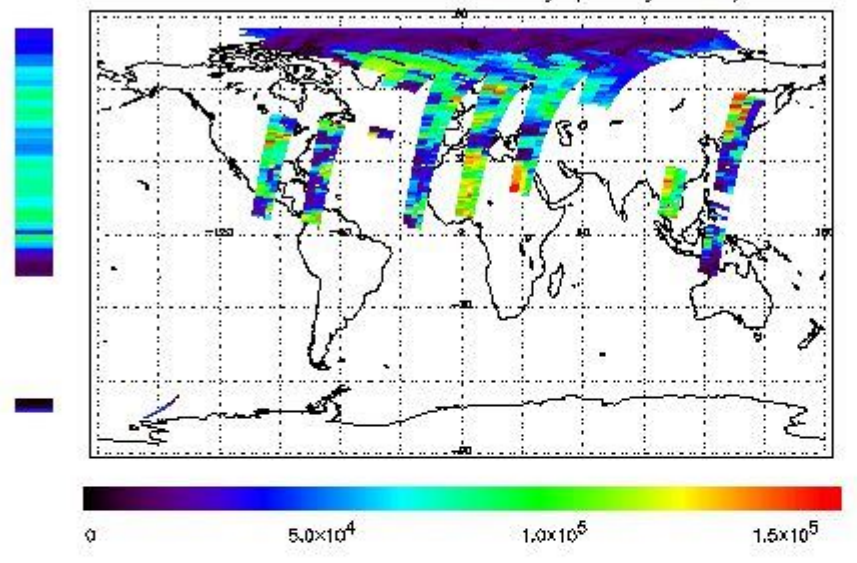
(1)

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

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

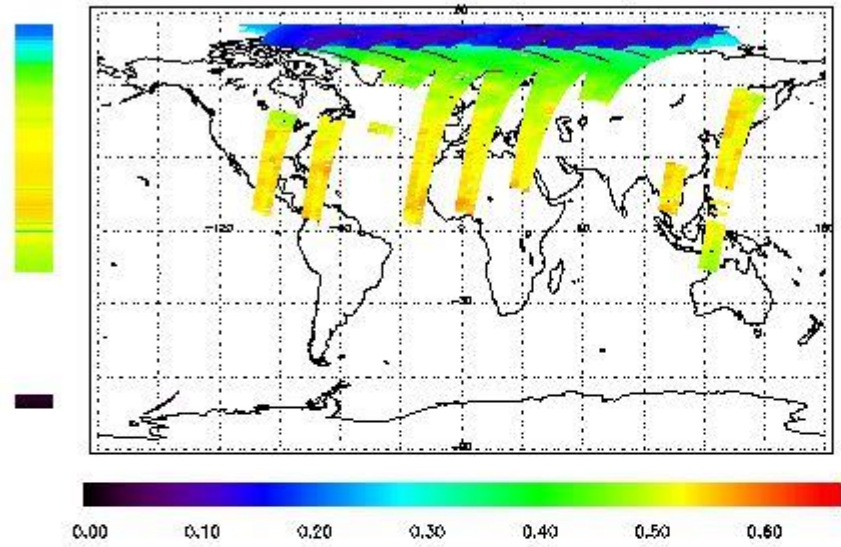
First Product : 25-AUG-2008 23:55:53.219 : ORBIT : 75020.1731

Last Product : 26-AUG-2008 23:32:49.803 : ORBIT : 75034.2582

Total Products Processed : 18318 Day : 238

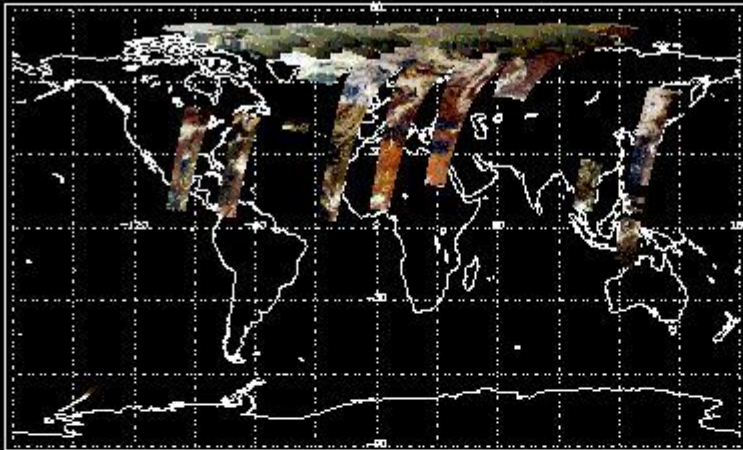
Page : 20

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)
D	18:25:38.940	--	75031	Y	--	14946

(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]

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)
--	--	--

(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
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[[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