

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	07-DEC-2010
Start Time of First Product	23:46:46 (06-Dec)
Stop Time of Last Product	23:24:17
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_101207CMEP2395.E2	07-DEC-2010	02:53:27.455
EGOI_101207CMEP2404.E2	07-DEC-2010	04:33:01.066
EGOI_101207CMEP2413.E2	07-DEC-2010	15:16:54.554
EGOI_101207CMEP2421.E2	07-DEC-2010	16:54:41.657
EGOI_101207KSEP5815.E2	06-DEC-2010	23:46:45.799
EGOI_101207KSEP5828.E2	07-DEC-2010	06:39:12.345
EGOI_101207KSEP5847.E2	07-DEC-2010	08:19:11.473
EGOI_101207KSEP5867.E2	07-DEC-2010	09:58:46.584
EGOI_101207KSEP5888.E2	07-DEC-2010	11:38:23.200

EGOI_101207KSEP5917.E2	07-DEC-2010	13:17:25.316
EGOI_101207KSEP5928.E2	07-DEC-2010	14:56:09.427
EGOI_101207KSEP5943.E2	07-DEC-2010	16:33:47.532
EGOI_101207KSEP5971.E2	07-DEC-2010	18:11:43.640
EGOI_101207KSEP6002.E2	07-DEC-2010	19:50:08.248
EGOI_101207KSEP6028.E2	07-DEC-2010	21:30:43.369
EGOI_101207KSEP6053.E2	07-DEC-2010	23:13:39.512
EGOI_101207MAEP0568.E2	07-DEC-2010	08:27:35.515
EGOI_101207MAEP0585.E2	07-DEC-2010	10:06:15.127
EGOI_101207MAEP0603.E2	07-DEC-2010	21:22:58.320
EGOI_101207MIEP7171.E2	07-DEC-2010	02:53:34.955
EGOI_101207MIEP7198.E2	07-DEC-2010	04:33:43.074
EGOI_101207MIEP7225.E2	07-DEC-2010	15:13:51.534
EGOI_101207MIEP7254.E2	07-DEC-2010	16:53:05.649
EGOI_101207MSEP9099.E2	07-DEC-2010	10:13:55.683
EGOI_101207MSEP9129.E2	07-DEC-2010	11:51:17.280
EGOI_101207MSEP9150.E2	07-DEC-2010	13:33:20.918
EGOI_101207MSEP9163.E2	07-DEC-2010	21:24:55.334
EGOI_101207MSEP9195.E2	07-DEC-2010	22:59:57.422
EGOI_101207SGEP0005.E2	07-DEC-2010	16:10:56.391
EGOI_101207SGEP9984.E2	07-DEC-2010	02:00:46.622
EGOI_101207SGEP9990.E2	07-DEC-2010	03:34:41.202
EGOI_101207SGEP9997.E2	07-DEC-2010	14:32:12.279

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81723	07-DEC-2010	06:37:19.704	06:39:12.345	112.64100
KS	81724	07-DEC-2010	08:16:36.627	08:19:11.473	154.84600
KS	81725	07-DEC-2010	09:56:14.073	09:58:46.584	152.51100
KS	81726	07-DEC-2010	11:35:45.446	11:38:23.199	157.75300
KS	81727	07-DEC-2010	13:14:53.005	13:17:25.316	152.31100
KS	81728	07-DEC-2010	14:53:31.292	14:56:09.426	158.13400
KS	81729	07-DEC-2010	16:31:09.098	16:33:47.531	158.43300
KS	81730	07-DEC-2010	18:08:58.102	18:11:43.640	165.53800
KS	81731	07-DEC-2010	19:47:55.185	19:50:08.247	133.06200
KS	81732	07-DEC-2010	21:28:38.604	21:30:43.368	124.76400
KS	81733	07-DEC-2010	23:11:51.266	23:13:39.511	108.24500
MS	81725	07-DEC-2010	10:11:18.489	10:13:55.683	157.19400
MS	81726	07-DEC-2010	11:48:38.215	11:51:17.280	159.06500
MS	81733	07-DEC-2010	22:57:55.168	22:59:57.422	122.25400

MA	81724	07-DEC-2010	08:25:36.267	08:27:35.515	119.24800
MA	81725	07-DEC-2010	10:04:17.075	10:06:15.127	118.05200
MA	81732	07-DEC-2010	21:20:18.115	21:22:58.319	160.20400
MI	81721	07-DEC-2010	02:51:12.204	02:53:34.955	142.75100
MI	81722	07-DEC-2010	04:31:19.734	04:33:43.074	143.34000
MI	81728	07-DEC-2010	15:11:26.344	15:13:51.533	145.18900
MI	81729	07-DEC-2010	16:50:41.976	16:53:05.649	143.67300
SG	81728	07-DEC-2010	16:07:51.482	16:10:56.391	184.90900
SG	81728	07-DEC-2010	16:19:27.940	16:20:36.326	68.386000
SG	81721	07-DEC-2010	03:32:34.729	03:34:41.202	126.47300
SG	81727	07-DEC-2010	14:29:21.923	14:32:12.278	170.35500
CM	81721	07-DEC-2010	02:52:14.013	02:53:27.454	73.441000
CM	81728	07-DEC-2010	15:15:43.621	15:16:54.553	70.932000
CM	81729	07-DEC-2010	16:53:07.824	16:54:41.657	93.833000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81719	07-DEC-2010	00:23:24.215	00:38:02.356	878.14100
MM	81719	07-DEC-2010	00:35:07.266	00:46:04.019	656.75300
BE	81720	07-DEC-2010	01:43:12.880	01:53:46.467	633.58700
HO	81720	07-DEC-2010	02:07:51.852	02:13:39.961	348.10900
MM	81720	07-DEC-2010	02:17:31.903	02:26:23.570	531.66700
GS	81720	07-DEC-2010	01:18:14.768	01:29:21.536	666.76800
BE	81721	07-DEC-2010	03:21:37.646	03:34:53.640	795.99400
MM	81721	07-DEC-2010	04:00:36.265	04:07:10.549	394.28400
GS	81721	07-DEC-2010	02:55:33.869	03:09:29.871	836.00200
MM	81722	07-DEC-2010	05:43:11.040	05:49:02.376	351.33600
GS	81722	07-DEC-2010	04:37:46.988	04:47:36.326	589.33800
MM	81723	07-DEC-2010	07:24:26.600	07:32:02.076	455.47600
JO	81723	07-DEC-2010	07:03:36.816	07:15:57.885	741.06900
MM	81724	07-DEC-2010	09:04:57.567	09:14:53.131	595.56400
JO	81724	07-DEC-2010	08:41:22.660	08:56:05.179	882.51900
MM	81725	07-DEC-2010	10:45:09.320	10:56:48.602	699.28200
MM	81726	07-DEC-2010	12:25:07.531	12:37:39.474	751.94300
MA	81726	07-DEC-2010	11:45:54.591	11:52:02.066	367.47500

HO	81727	07-DEC-2010	14:13:43.467	14:26:38.786	775.31900
MM	81727	07-DEC-2010	14:04:51.465	14:17:35.316	763.85100
SG	81727	07-DEC-2010	14:29:21.923	14:40:54.415	692.49200
BE	81728	07-DEC-2010	14:38:27.169	14:51:30.359	783.19000
MM	81728	07-DEC-2010	15:44:19.302	15:56:55.672	756.37000
GS	81728	07-DEC-2010	15:05:11.099	15:18:13.918	782.81900
MM	81729	07-DEC-2010	17:23:32.296	17:36:03.878	751.58200
GS	81729	07-DEC-2010	16:44:30.652	16:57:46.850	796.19800
MM	81730	07-DEC-2010	19:02:40.715	19:15:18.687	757.97200
JO	81730	07-DEC-2010	19:23:40.546	19:34:38.893	658.34700
MM	81731	07-DEC-2010	20:42:04.905	20:54:48.854	763.94900
MA	81731	07-DEC-2010	19:41:33.375	19:53:48.580	735.20500
JO	81731	07-DEC-2010	21:01:17.583	21:16:12.161	894.57800
HO	81732	07-DEC-2010	22:15:19.635	22:26:43.829	684.19400
MM	81732	07-DEC-2010	22:22:08.276	22:34:35.125	746.84900
JO	81732	07-DEC-2010	22:43:41.017	22:50:33.592	412.57500
HO	81733	07-DEC-2010	23:52:19.126	00:06:48.355	869.22900

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
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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

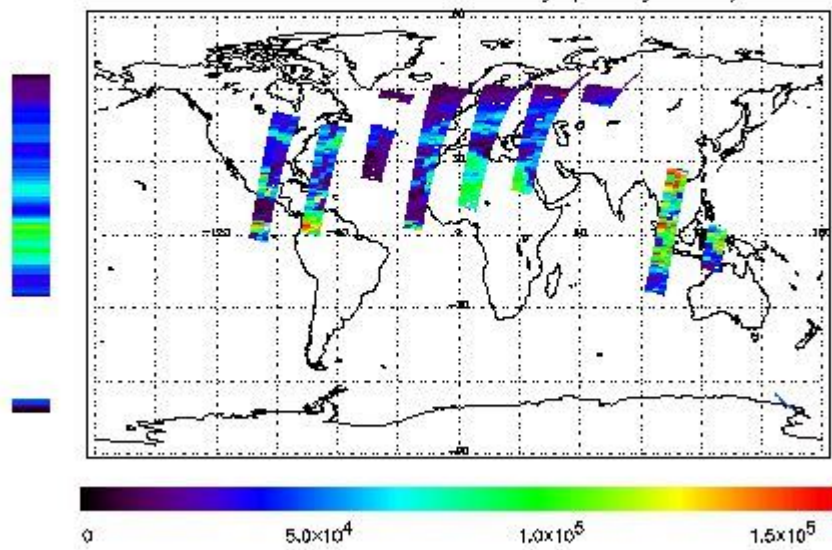
2.2 - Daily Plots

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 : 06-DEC-2010 23:46:45.799 : ORBIT : 81719.1682
 Last Product : 07-DEC-2010 23:24:17.074 : ORBIT : 81733.2590
 Total Products Processed : 14708 Day : 341 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

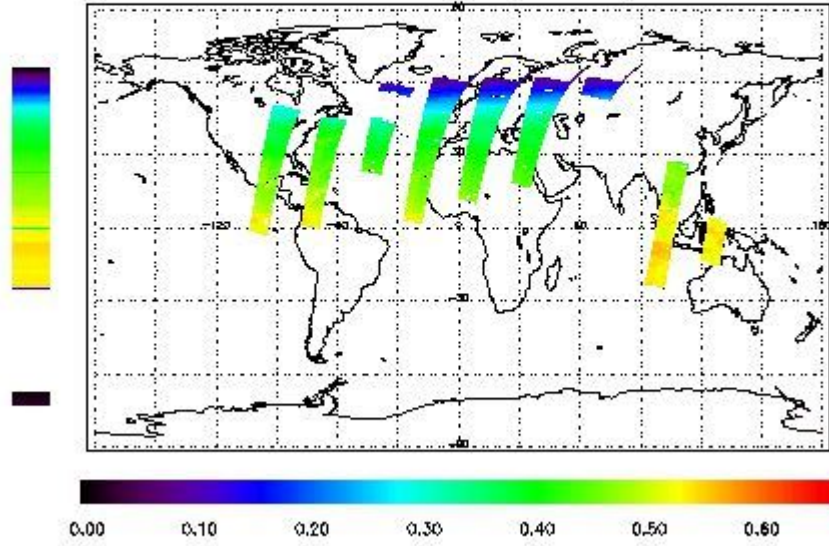


Ozone Line Ratio

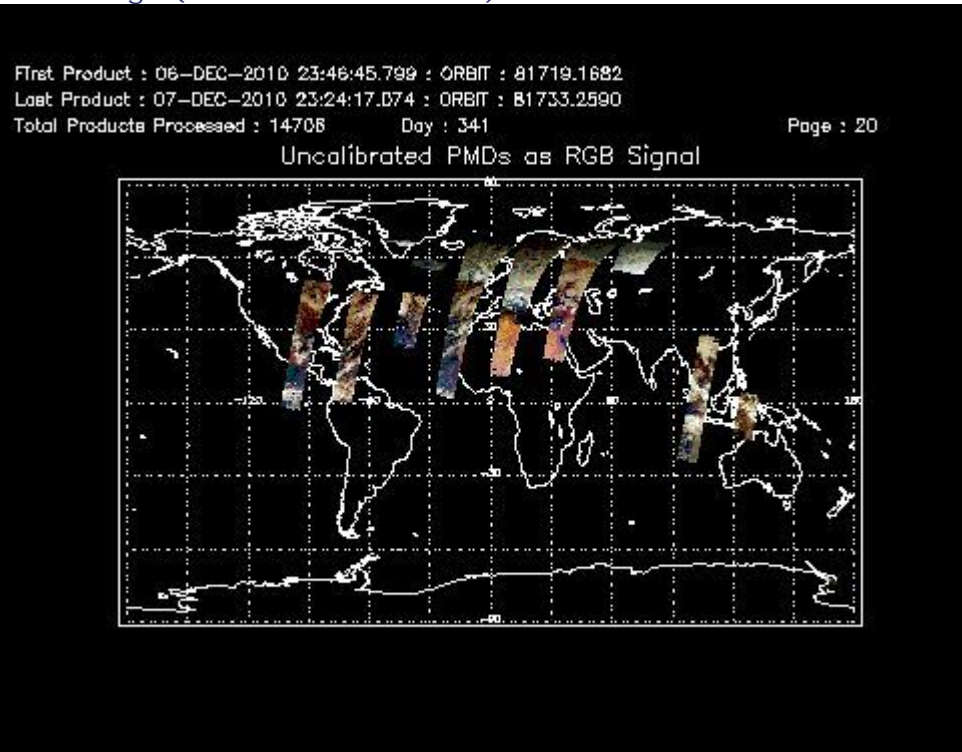
First Product : 06-DEC-2010 23:46:45.799 : ORBIT : 81719.1682
 Last Product : 07-DEC-2010 23:24:17.074 : ORBIT : 81733.2590
 Total Products Processed : 14708 Day : 341

Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	13:25:07.363	--	81727	Yes	--	15740

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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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](#)]

(1) The 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