

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	30-DEC-2010
Start Time of First Product	00:51:17
Stop Time of Last Product	23:01:35
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101230CMEP3044.E2	30-DEC-2010	04:10:59.075
EGOI_101230CMEP3051.E2	30-DEC-2010	16:31:47.161
EGOI_101230GSEP2376.E2	30-DEC-2010	00:58:23.385
EGOI_101230GSEP2398.E2	30-DEC-2010	02:34:58.480
EGOI_101230GSEP2427.E2	30-DEC-2010	04:15:50.103
EGOI_101230GSEP2434.E2	30-DEC-2010	05:58:14.739
EGOI_101230KSEP1502.E2	30-DEC-2010	06:16:31.351
EGOI_101230KSEP1529.E2	30-DEC-2010	07:56:27.467
EGOI_101230KSEP1555.E2	30-DEC-2010	09:36:02.587

EGOI_101230KSEP1585.E2	30-DEC-2010	11:15:37.703
EGOI_101230KSEP1614.E2	30-DEC-2010	12:54:51.815
EGOI_101230KSEP1624.E2	30-DEC-2010	14:33:41.930
EGOI_101230KSEP1640.E2	30-DEC-2010	16:11:23.035
EGOI_101230KSEP1666.E2	30-DEC-2010	17:49:20.643
EGOI_101230KSEP1697.E2	30-DEC-2010	19:27:27.252
EGOI_101230KSEP1722.E2	30-DEC-2010	21:07:30.872
EGOI_101230KSEP1748.E2	30-DEC-2010	22:50:22.511
EGOI_101230MAEP1352.E2	30-DEC-2010	09:43:40.137
EGOI_101230MAEP1371.E2	30-DEC-2010	21:00:21.823
EGOI_101230MIEP9250.E2	30-DEC-2010	02:31:41.957
EGOI_101230MIEP9273.E2	30-DEC-2010	14:51:55.544
EGOI_101230MIEP9302.E2	30-DEC-2010	16:30:03.649
EGOI_101230MSEP1764.E2	30-DEC-2010	00:51:17.342
EGOI_101230MSEP1786.E2	30-DEC-2010	11:28:42.282
EGOI_101230MSEP1810.E2	30-DEC-2010	13:09:21.910
EGOI_101230MSEP1844.E2	30-DEC-2010	22:37:50.928
EGOI_101230SGEP0504.E2	30-DEC-2010	04:53:35.338
EGOI_101230SGEP0509.E2	30-DEC-2010	14:10:14.785
EGOI_101230SGEP0515.E2	30-DEC-2010	15:47:27.390

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82052	30-DEC-2010	06:14:50.898	06:16:31.350	100.45200
KS	82053	30-DEC-2010	07:53:51.572	07:56:27.466	155.89400
KS	82054	30-DEC-2010	09:33:27.711	09:36:02.587	154.87600
KS	82055	30-DEC-2010	11:13:01.978	11:15:37.703	155.72500
KS	82056	30-DEC-2010	12:52:16.696	12:54:51.814	155.11800
KS	82057	30-DEC-2010	14:31:02.847	14:33:41.930	159.08300
KS	82058	30-DEC-2010	16:08:45.500	16:11:23.035	157.53500
KS	82059	30-DEC-2010	17:46:40.726	17:49:20.643	159.91700
KS	82060	30-DEC-2010	19:25:10.103	19:27:27.251	137.14800
KS	82061	30-DEC-2010	21:05:25.944	21:07:30.871	124.92700
KS	82062	30-DEC-2010	22:47:59.133	22:50:22.511	143.37800
GS	82049	30-DEC-2010	00:56:42.044	00:58:23.385	101.34100
GS	82050	30-DEC-2010	02:32:55.908	02:34:58.480	122.57200
GS	82051	30-DEC-2010	04:13:49.295	04:15:50.102	120.80700
MS	82049	30-DEC-2010	00:49:39.387	00:51:17.341	97.954000
MS	82055	30-DEC-2010	11:25:59.020	11:28:42.282	163.26200

MS	82056	30-DEC-2010	13:06:41.919	13:09:21.910	159.99100
MS	82062	30-DEC-2010	22:35:31.866	22:37:50.928	139.06200
MA	82054	30-DEC-2010	09:41:31.403	09:43:40.136	128.73300
MA	82061	30-DEC-2010	20:57:07.790	21:00:21.823	194.03300
MI	82050	30-DEC-2010	02:29:18.078	02:31:41.956	143.87800
MI	82057	30-DEC-2010	14:49:33.393	14:51:55.543	142.15000
MI	82058	30-DEC-2010	16:27:37.158	16:30:03.649	146.49100
SG	82051	30-DEC-2010	04:51:40.431	04:53:35.337	114.90600
SG	82051	30-DEC-2010	04:55:33.848	05:00:07.254	273.40600
SG	82056	30-DEC-2010	14:08:11.228	14:10:14.785	123.55700
SG	82057	30-DEC-2010	15:44:44.653	15:47:27.389	162.73600
CM	82058	30-DEC-2010	16:30:16.007	16:31:47.160	91.153000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82048	30-DEC-2010	00:00:48.431	00:15:19.938	871.50700
MM	82048	30-DEC-2010	00:11:51.517	00:23:10.384	678.86700
HO	82049	30-DEC-2010	01:42:37.568	01:53:25.087	647.51900
MM	82049	30-DEC-2010	01:54:02.424	02:03:26.003	563.57900
BE	82050	30-DEC-2010	02:58:52.290	03:12:17.278	804.98800
MM	82050	30-DEC-2010	03:37:02.058	03:44:04.448	422.39000
SG	82050	30-DEC-2010	03:10:00.414	03:23:42.063	821.64900
CM	82050	30-DEC-2010	02:32:56.755	02:34:43.224	106.46900
BE	82051	30-DEC-2010	04:39:23.983	04:49:05.693	581.71000
MM	82051	30-DEC-2010	05:19:51.234	05:25:37.610	346.37600
MI	82051	30-DEC-2010	04:07:47.546	04:20:19.374	751.82800
MM	82052	30-DEC-2010	07:01:23.394	07:08:27.522	424.12800
JO	82052	30-DEC-2010	06:42:20.450	06:52:23.396	602.94600
MM	82053	30-DEC-2010	08:42:01.219	08:51:26.599	565.38000
MA	82053	30-DEC-2010	08:03:53.045	08:13:12.133	559.08800
JO	82053	30-DEC-2010	08:18:30.102	08:33:31.506	901.40400
MM	82054	30-DEC-2010	10:22:16.439	10:33:36.537	680.09800
JO	82054	30-DEC-2010	10:01:51.197	10:09:44.165	472.96800
HO	82055	30-DEC-2010	12:11:28.340	12:25:18.454	830.11400
MM	82055	30-DEC-2010	12:02:17.701	12:14:41.809	744.10800

MA	82055	30-DEC-2010	11:22:31.645	11:30:54.687	503.04200
HO	82056	30-DEC-2010	13:50:40.344	14:04:56.819	856.47500
MM	82056	30-DEC-2010	13:42:05.072	13:54:48.781	763.70900
SG	82056	30-DEC-2010	14:08:11.228	14:16:52.184	520.95600
BE	82057	30-DEC-2010	14:15:30.739	14:28:54.374	803.63500
MM	82057	30-DEC-2010	15:21:36.687	15:34:15.211	758.52400
GS	82057	30-DEC-2010	14:42:47.502	14:53:37.858	650.35600
BE	82058	30-DEC-2010	15:58:50.568	16:05:54.785	424.21700
MM	82058	30-DEC-2010	17:00:52.557	17:13:24.229	751.67200
GS	82058	30-DEC-2010	16:21:39.929	16:35:25.071	825.14200
MM	82059	30-DEC-2010	18:40:00.553	18:52:36.400	755.84700
GS	82059	30-DEC-2010	18:02:19.248	18:11:24.873	545.62500
JO	82059	30-DEC-2010	19:02:44.845	19:09:46.161	421.31600
MM	82060	30-DEC-2010	20:19:19.013	20:32:02.761	763.74800
MA	82060	30-DEC-2010	19:21:42.940	19:30:34.787	531.84700
JO	82060	30-DEC-2010	20:38:34.397	20:53:34.796	900.39900
HO	82061	30-DEC-2010	21:54:05.966	22:03:28.731	562.76500
MM	82061	30-DEC-2010	21:59:11.550	22:11:45.528	753.97800
JO	82061	30-DEC-2010	22:19:31.595	22:30:01.276	629.68100
HO	82062	30-DEC-2010	23:29:43.054	23:44:02.553	859.49900
MM	82062	30-DEC-2010	23:39:58.019	23:51:42.790	704.77100
MA	82062	30-DEC-2010	22:42:26.299	22:47:40.663	314.36400

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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

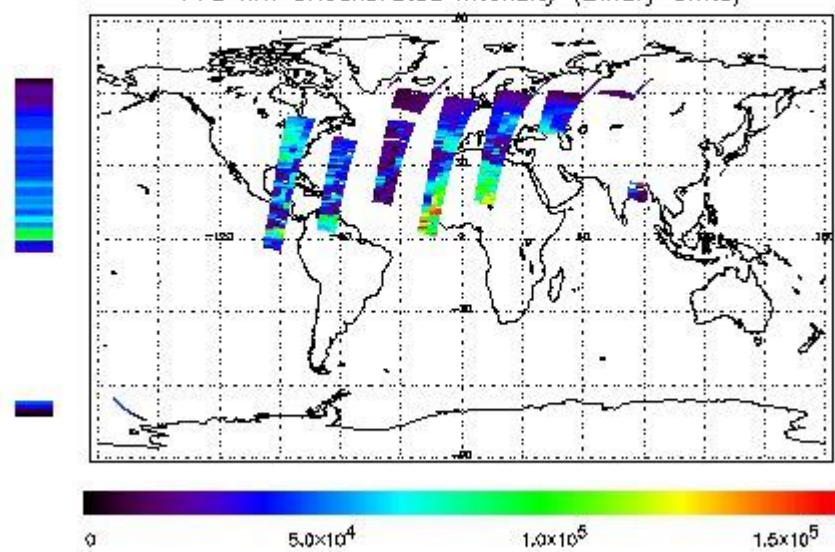
2.2 - Daily Plots

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 : 30-DEC-2010 00:51:17.342 : ORBIT : 82049.0381
 Last Product : 30-DEC-2010 23:01:34.577 : ORBIT : 82082.2618
 Total Products Processed : 13889 Day : 364 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

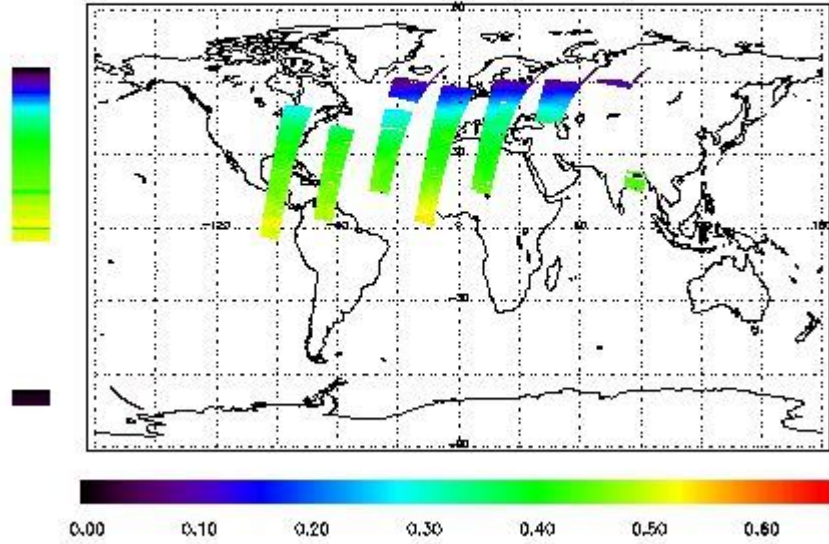


Ozone Line Ratio

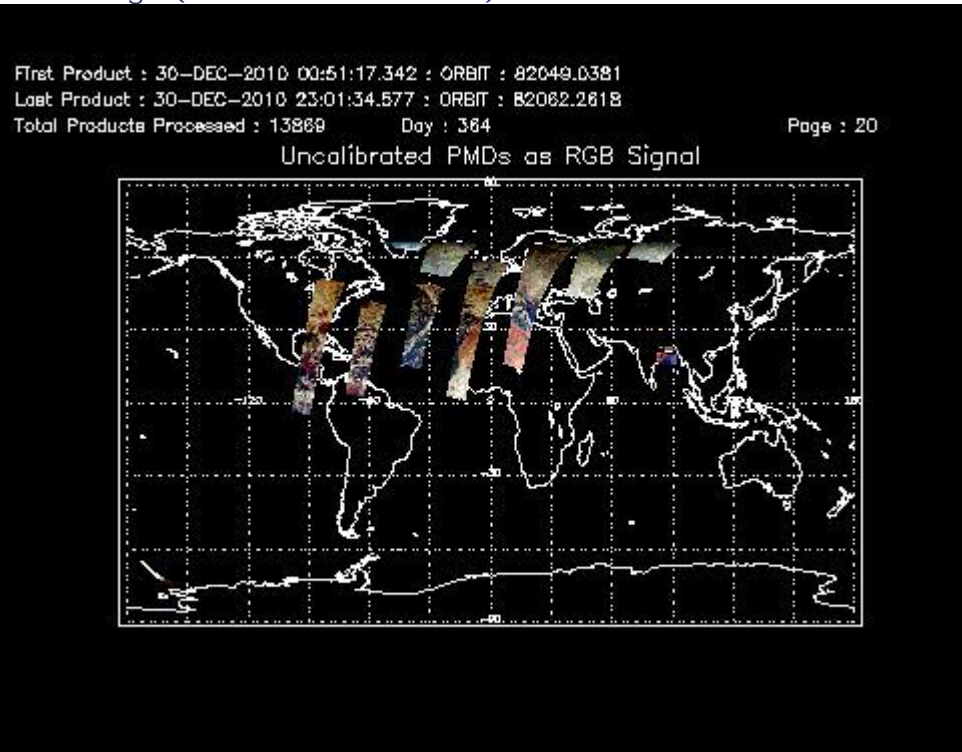
First Product : 30-DEC-2010 00:51:17.342 : ORBIT : 82049.0381
 Last Product : 30-DEC-2010 23:01:34.577 : ORBIT : 82062.2618
 Total Products Processed : 13869 Day : 364

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	11:21:45.237	--	82055	Yes	--	15804

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