

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	20-JAN-2011
Start Time of First Product	23:48:53 (19-Jan)
Stop Time of Last Product	23:41:22
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110120CMEP3305.E2	20-JAN-2011	03:09:50.077
EGOI_110120CMEP3315.E2	20-JAN-2011	04:50:56.699
EGOI_110120CMEP3323.E2	20-JAN-2011	15:33:30.680
EGOI_110120CMEP3332.E2	20-JAN-2011	17:12:16.289
EGOI_110120GSEP3939.E2	20-JAN-2011	01:36:40.505
EGOI_110120GSEP3971.E2	20-JAN-2011	03:14:38.108
EGOI_110120GSEP3981.E2	20-JAN-2011	04:57:35.742
EGOI_110120KSEP6659.E2	20-JAN-2011	00:05:23.443
EGOI_110120KSEP6674.E2	20-JAN-2011	06:56:15.482

EGOI_110120KSEP6692.E2	20-JAN-2011	08:36:14.593
EGOI_110120KSEP6712.E2	20-JAN-2011	10:15:57.211
EGOI_110120KSEP6741.E2	20-JAN-2011	11:55:23.326
EGOI_110120KSEP6759.E2	20-JAN-2011	13:34:22.439
EGOI_110120KSEP6772.E2	20-JAN-2011	15:12:51.551
EGOI_110120KSEP6799.E2	20-JAN-2011	16:50:29.651
EGOI_110120KSEP6829.E2	20-JAN-2011	18:28:24.258
EGOI_110120KSEP6860.E2	20-JAN-2011	20:07:08.370
EGOI_110120KSEP6889.E2	20-JAN-2011	21:48:20.995
EGOI_110120KSEP6914.E2	20-JAN-2011	23:31:39.630
EGOI_110120MAEP2019.E2	20-JAN-2011	08:44:10.148
EGOI_110120MAEP2030.E2	20-JAN-2011	10:23:18.255
EGOI_110120MAEP2037.E2	20-JAN-2011	20:02:23.342
EGOI_110120MIEP0803.E2	20-JAN-2011	03:10:21.581
EGOI_110120MIEP0826.E2	20-JAN-2011	04:51:46.207
EGOI_110120MIEP0844.E2	20-JAN-2011	15:30:35.160
EGOI_110120MIEP0868.E2	20-JAN-2011	17:10:37.280
EGOI_110120MSEP4206.E2	19-JAN-2011	23:48:53.338
EGOI_110120MSEP4229.E2	20-JAN-2011	10:30:21.301
EGOI_110120MSEP4258.E2	20-JAN-2011	12:08:20.406
EGOI_110120MSEP4285.E2	20-JAN-2011	21:40:49.448
EGOI_110120MSEP4317.E2	20-JAN-2011	23:17:15.548
EGOI_110120SGEP0867.E2	20-JAN-2011	04:03:39.914
EGOI_110120SGEP0874.E2	20-JAN-2011	14:50:25.910
EGOI_110120SGEP0880.E2	20-JAN-2011	16:28:17.513

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82349	20-JAN-2011	00:03:26.998	00:05:23.442	116.44400
KS	82353	20-JAN-2011	06:54:16.630	06:56:15.481	118.85100
KS	82354	20-JAN-2011	08:33:40.965	08:36:14.593	153.62800
KS	82355	20-JAN-2011	10:13:18.639	10:15:57.210	158.57100
KS	82356	20-JAN-2011	11:52:47.256	11:55:23.325	156.06900
KS	82357	20-JAN-2011	13:31:48.753	13:34:22.439	153.68600
KS	82358	20-JAN-2011	15:10:13.452	15:12:51.551	158.09900
KS	82359	20-JAN-2011	16:47:50.071	16:50:29.651	159.58000
KS	82360	20-JAN-2011	18:25:49.995	18:28:24.258	154.26300
KS	82361	20-JAN-2011	20:05:02.628	20:07:08.369	125.74100
KS	82362	20-JAN-2011	21:46:08.056	21:48:20.994	132.93800
KS	82363	20-JAN-2011	23:29:53.916	23:31:39.629	105.71300

GS	82350	20-JAN-2011	01:34:36.104	01:36:40.504	124.40000
GS	82351	20-JAN-2011	03:12:41.415	03:14:38.107	116.69200
MS	82349	19-JAN-2011	23:46:33.577	23:48:53.338	139.76100
MS	82355	20-JAN-2011	10:27:38.212	10:30:21.300	163.08800
MS	82356	20-JAN-2011	12:05:46.932	12:08:20.406	153.47400
MS	82363	20-JAN-2011	23:14:55.092	23:17:15.547	140.45500
MA	82354	20-JAN-2011	08:42:36.014	08:44:10.147	94.133000
MA	82354	20-JAN-2011	08:52:25.195	08:54:54.807	149.61200
MA	82355	20-JAN-2011	10:21:21.999	10:23:18.255	116.25600
MI	82351	20-JAN-2011	03:07:53.183	03:10:21.581	148.39800
MI	82351	20-JAN-2011	03:19:26.135	03:21:02.540	96.405000
MI	82352	20-JAN-2011	04:49:23.756	04:51:46.206	142.45000
MI	82358	20-JAN-2011	15:28:07.079	15:30:35.159	148.08000
MI	82358	20-JAN-2011	15:36:48.699	15:40:58.779	250.08000
MI	82359	20-JAN-2011	17:08:12.217	17:10:37.280	145.06300
SG	82357	20-JAN-2011	14:45:43.139	14:50:25.910	282.77100
SG	82358	20-JAN-2011	16:25:28.550	16:28:17.512	168.96200
CM	82351	20-JAN-2011	03:08:07.778	03:09:50.076	102.29800
CM	82358	20-JAN-2011	15:31:46.189	15:33:30.679	104.49000
CM	82359	20-JAN-2011	17:10:28.925	17:12:16.288	107.36300

[\[BACK TO MENU \]](#)

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82349	20-JAN-2011	00:40:48.128	00:54:59.714	851.58600
MM	82349	20-JAN-2011	00:52:36.328	01:03:14.732	638.40400
BE	82350	20-JAN-2011	01:59:48.573	02:11:35.131	706.55800
MM	82350	20-JAN-2011	02:35:10.546	02:43:37.593	507.04700
SG	82350	20-JAN-2011	02:12:47.315	02:22:01.802	554.48700
BE	82351	20-JAN-2011	03:38:46.251	03:51:40.525	774.27400
MM	82351	20-JAN-2011	04:18:15.991	04:24:32.334	376.34300
MM	82352	20-JAN-2011	06:00:37.771	06:06:38.696	360.92500
MM	82353	20-JAN-2011	07:41:42.554	07:49:42.571	480.01700
JO	82353	20-JAN-2011	07:19:54.517	07:33:24.723	810.20600
MM	82354	20-JAN-2011	09:22:09.212	09:32:26.033	616.82100
JO	82354	20-JAN-2011	08:58:44.870	09:12:51.856	846.98600

MM	82355	20-JAN-2011	11:02:18.532	11:14:10.385	711.85300
MM	82356	20-JAN-2011	12:42:14.414	12:54:50.791	756.37700
HO	82357	20-JAN-2011	14:31:02.246	14:42:51.053	708.80700
MM	82357	20-JAN-2011	14:21:55.705	14:34:38.972	763.26700
SG	82357	20-JAN-2011	14:45:43.139	14:58:30.023	766.88400
BE	82358	20-JAN-2011	14:55:51.338	15:08:21.190	749.85200
MM	82358	20-JAN-2011	16:01:20.729	16:13:55.598	754.86900
GS	82358	20-JAN-2011	15:22:04.841	15:35:37.796	812.95500
MM	82359	20-JAN-2011	17:40:31.899	17:53:03.862	751.96300
GS	82359	20-JAN-2011	17:01:41.777	17:14:24.187	762.41000
MM	82360	20-JAN-2011	19:19:41.358	19:32:20.954	759.59600
JO	82360	20-JAN-2011	19:39:58.246	19:52:38.374	760.12800
MM	82361	20-JAN-2011	20:59:10.671	21:11:53.979	763.30800
MA	82361	20-JAN-2011	19:58:05.953	20:11:21.984	796.03100
JO	82361	20-JAN-2011	21:18:27.074	21:32:58.335	871.26100
HO	82362	20-JAN-2011	22:31:35.753	22:43:58.985	743.23200
MM	82362	20-JAN-2011	22:39:22.804	22:51:42.802	739.99800
MA	82362	20-JAN-2011	21:37:41.034	21:50:26.397	765.36300

[[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

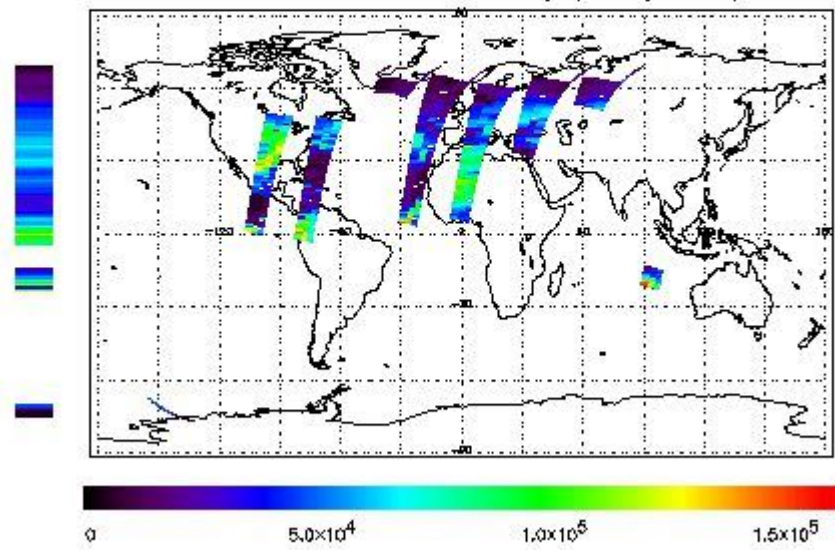
2.2 - Daily Plots

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 : 19-JAN-2011 23:48:53.338 : ORBIT : 82349.0179
 Last Product : 20-JAN-2011 23:41:21.892 : ORBIT : 82363.2573
 Total Products Processed : 15058 Day : 20 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

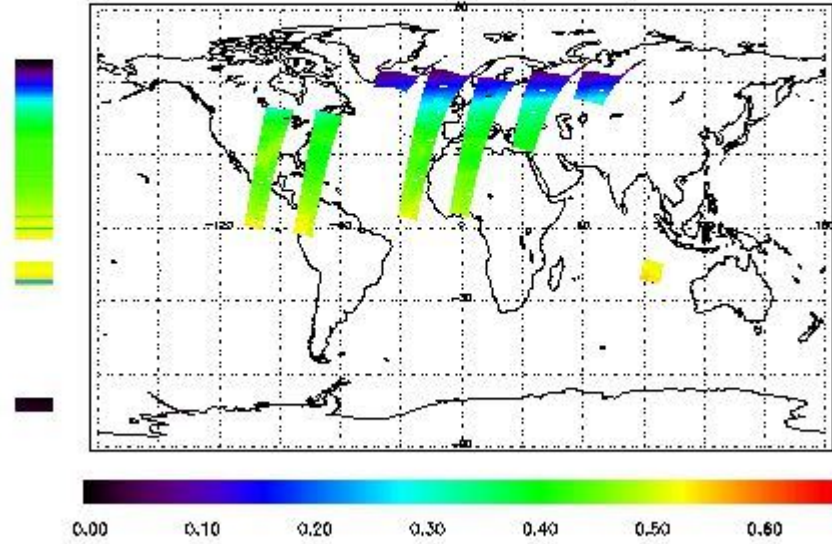


Ozone Line Ratio

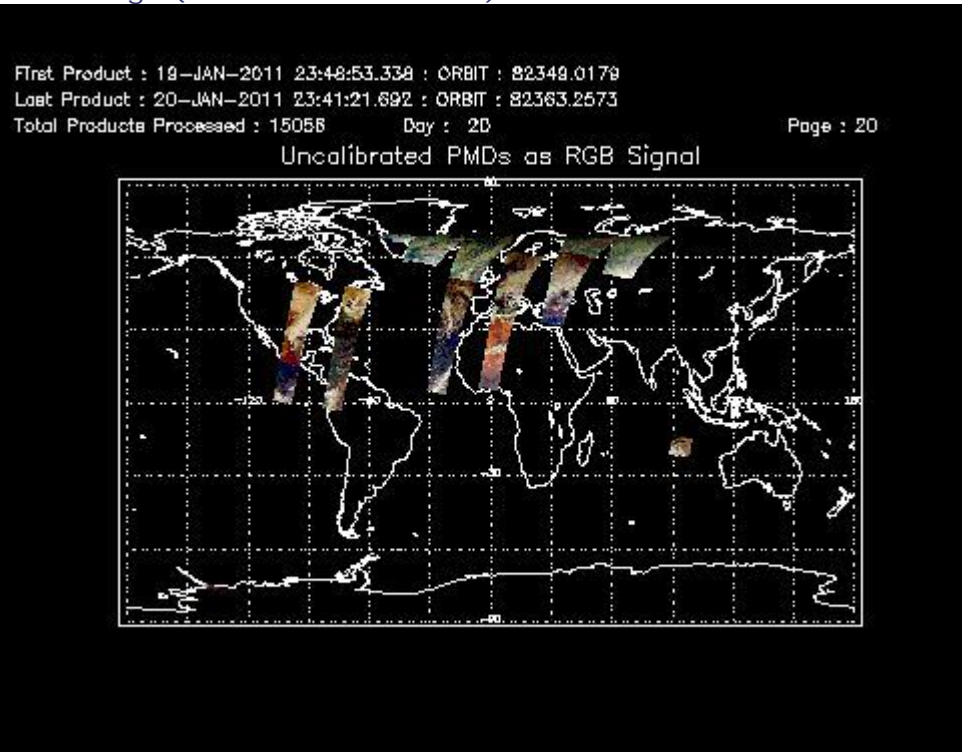
First Product : 19-JAN-2011 23:48:53.338 : ORBIT : 82349.0179
 Last Product : 20-JAN-2011 23:41:21.692 : ORBIT : 82363.2573
 Total Products Processed : 15058 Day : 20

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	10:20:28.738	--	82355	Yes	--	15299

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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[[BACK TO MENU](#)]

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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[[BACK TO MENU](#)]

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
--	--	--

5.3 - Power Cycle

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

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