

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	11-JAN-2011
Start Time of First Product	23:46:49 (10-Jan)
Stop Time of Last Product	23:24:18
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110111GSEP3245.E2	11-JAN-2011	01:21:13.884
EGOI_110111GSEP3277.E2	11-JAN-2011	02:57:30.983
EGOI_110111GSEP3304.E2	11-JAN-2011	04:39:45.114
EGOI_110111GSEP3311.E2	11-JAN-2011	06:21:41.250
EGOI_110111HLEP9049.E2	11-JAN-2011	22:17:54.669
EGOI_110111KSEP4392.E2	10-JAN-2011	23:46:49.303
EGOI_110111KSEP4405.E2	11-JAN-2011	06:38:59.350
EGOI_110111KSEP4423.E2	11-JAN-2011	08:19:08.978
EGOI_110111KSEP4449.E2	11-JAN-2011	09:58:48.590

EGOI_110111KSEP4480.E2	11-JAN-2011	11:38:20.706
EGOI_110111KSEP4498.E2	11-JAN-2011	13:17:27.325
EGOI_110111KSEP4507.E2	11-JAN-2011	14:56:09.934
EGOI_110111KSEP4522.E2	11-JAN-2011	16:33:48.043
EGOI_110111KSEP4550.E2	11-JAN-2011	18:11:45.647
EGOI_110111KSEP4581.E2	11-JAN-2011	19:50:08.755
EGOI_110111KSEP4611.E2	11-JAN-2011	21:30:45.379
EGOI_110111KSEP4629.E2	11-JAN-2011	23:13:41.518
EGOI_110111MAEP1804.E2	11-JAN-2011	08:27:15.020
EGOI_110111MAEP1822.E2	11-JAN-2011	10:06:14.136
EGOI_110111MIEP9846.E2	11-JAN-2011	04:33:42.075
EGOI_110111MIEP9874.E2	11-JAN-2011	15:13:50.545
EGOI_110111MIEP9903.E2	11-JAN-2011	16:53:09.160
EGOI_110111MSEP3169.E2	11-JAN-2011	10:13:56.185
EGOI_110111MSEP3198.E2	11-JAN-2011	11:51:22.293
EGOI_110111MSEP3219.E2	11-JAN-2011	13:33:12.421
EGOI_110111MSEP3239.E2	11-JAN-2011	21:24:58.840
EGOI_110111MSEP3272.E2	11-JAN-2011	23:00:03.928
EGOI_110111SGEP0786.E2	11-JAN-2011	02:00:48.627
EGOI_110111SGEP0791.E2	11-JAN-2011	03:38:56.738
EGOI_110111SGEP0796.E2	11-JAN-2011	14:32:12.785
EGOI_110111SGEP0801.E2	11-JAN-2011	16:10:58.398

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82224	11-JAN-2011	06:37:19.705	06:38:59.350	99.645000
KS	82225	11-JAN-2011	08:16:36.627	08:19:08.978	152.35100
KS	82226	11-JAN-2011	09:56:14.073	09:58:48.590	154.51700
KS	82227	11-JAN-2011	11:35:45.446	11:38:20.706	155.26000
KS	82228	11-JAN-2011	13:14:53.005	13:17:27.325	154.32000
KS	82229	11-JAN-2011	14:53:31.292	14:56:09.934	158.64200
KS	82230	11-JAN-2011	16:31:09.098	16:33:48.042	158.94400
KS	82231	11-JAN-2011	18:08:58.103	18:11:45.647	167.54400
KS	82232	11-JAN-2011	19:47:55.185	19:50:08.755	133.57000
KS	82233	11-JAN-2011	21:28:38.604	21:30:45.378	126.77400
KS	82234	11-JAN-2011	23:11:51.266	23:13:41.518	110.25200
GS	82221	11-JAN-2011	01:18:14.768	01:21:13.883	179.11500
GS	82222	11-JAN-2011	02:55:33.869	02:57:30.982	117.11300
GS	82223	11-JAN-2011	04:37:46.988	04:39:45.113	118.12500
MS	82226	11-JAN-2011	10:11:18.489	10:13:56.185	157.69600

MS	82227	11-JAN-2011	11:48:38.215	11:51:22.292	164.07700
MS	82234	11-JAN-2011	22:57:55.168	23:00:03.927	128.75900
MA	82225	11-JAN-2011	08:25:36.267	08:27:15.020	98.753000
MA	82226	11-JAN-2011	10:04:17.075	10:06:14.136	117.06100
MI	82223	11-JAN-2011	04:31:19.734	04:33:42.074	142.34000
MI	82229	11-JAN-2011	15:11:26.344	15:13:50.545	144.20100
MI	82230	11-JAN-2011	16:50:41.976	16:53:09.159	147.18300
SG	82222	11-JAN-2011	03:32:34.729	03:38:56.737	382.00800
SG	82228	11-JAN-2011	14:29:21.923	14:32:12.784	170.86100
SG	82229	11-JAN-2011	16:07:51.482	16:10:58.397	186.91500

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82220	11-JAN-2011	00:23:24.215	00:38:02.356	878.14100
MM	82220	11-JAN-2011	00:35:07.266	00:46:04.019	656.75300
BE	82221	11-JAN-2011	01:43:12.880	01:53:46.467	633.58700
HO	82221	11-JAN-2011	02:07:51.852	02:13:39.961	348.10900
MM	82221	11-JAN-2011	02:17:31.903	02:26:23.570	531.66700
BE	82222	11-JAN-2011	03:21:37.646	03:34:53.640	795.99400
MM	82222	11-JAN-2011	04:00:36.265	04:07:10.549	394.28400
MI	82222	11-JAN-2011	02:51:12.204	03:03:49.221	757.01700
CM	82222	11-JAN-2011	02:52:14.013	03:00:18.995	484.98200
CM	82222	11-JAN-2011	04:29:10.264	04:41:12.741	722.47700
MM	82223	11-JAN-2011	05:43:11.040	05:49:02.376	351.33600
MM	82224	11-JAN-2011	07:24:26.601	07:32:02.077	455.47600
JO	82224	11-JAN-2011	07:03:36.817	07:15:57.886	741.06900
MM	82225	11-JAN-2011	09:04:57.567	09:14:53.131	595.56400
JO	82225	11-JAN-2011	08:41:22.660	08:56:05.179	882.51900
MM	82226	11-JAN-2011	10:45:09.320	10:56:48.602	699.28200
MM	82227	11-JAN-2011	12:25:07.531	12:37:39.474	751.94300
MA	82227	11-JAN-2011	11:45:54.591	11:52:02.066	367.47500
HO	82228	11-JAN-2011	14:13:43.467	14:26:38.786	775.31900
MM	82228	11-JAN-2011	14:04:51.465	14:17:35.316	763.85100
SG	82228	11-JAN-2011	14:29:21.923	14:40:54.415	692.49200
BE	82229	11-JAN-2011	14:38:27.169	14:51:30.359	783.19000

MM	82229	11-JAN-2011	15:44:19.302	15:56:55.672	756.37000
GS	82229	11-JAN-2011	15:05:11.099	15:18:13.918	782.81900
CM	82229	11-JAN-2011	15:15:43.621	15:23:48.358	484.73700
MM	82230	11-JAN-2011	17:23:32.296	17:36:03.878	751.58200
GS	82230	11-JAN-2011	16:44:30.652	16:57:46.850	796.19800
CM	82230	11-JAN-2011	16:53:07.824	17:05:05.452	717.62800
MM	82231	11-JAN-2011	19:02:40.716	19:15:18.688	757.97200
JO	82231	11-JAN-2011	19:23:40.547	19:34:38.894	658.34700
MM	82232	11-JAN-2011	20:42:04.905	20:54:48.854	763.94900
MA	82232	11-JAN-2011	19:41:33.375	19:53:48.580	735.20500
JO	82232	11-JAN-2011	21:01:17.583	21:16:12.161	894.57800
HO	82233	11-JAN-2011	22:15:19.635	22:26:43.829	684.19400
MM	82233	11-JAN-2011	22:22:08.276	22:34:35.125	746.84900
MA	82233	11-JAN-2011	21:20:18.115	21:33:30.193	792.07800
JO	82233	11-JAN-2011	22:43:41.017	22:50:33.592	412.57500
HO	82234	11-JAN-2011	23:52:19.126	00:06:48.355	869.22900

[[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 Temperatures 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

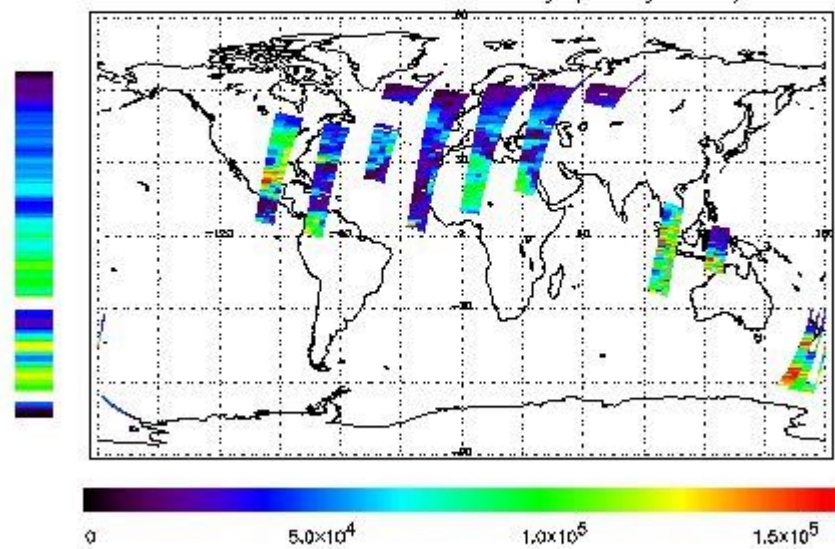
2.2 - Daily Plots

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

FRet Product : 10-JAN-2011 23:46:49.303 : ORBIT : 82220.1687
 Last Product : 11-JAN-2011 23:24:17.580 : ORBIT : 82234.2591
 Total Products Processed : 14387 Day : 11 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

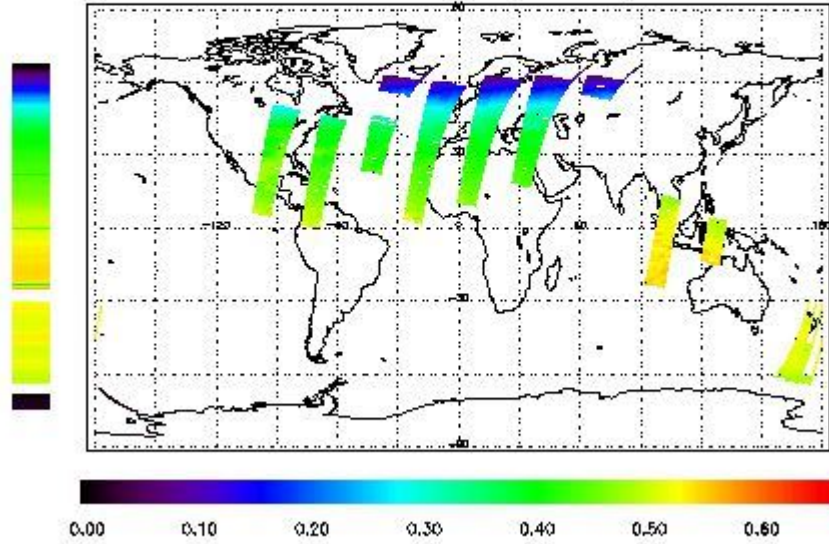


Ozone Line Ratio

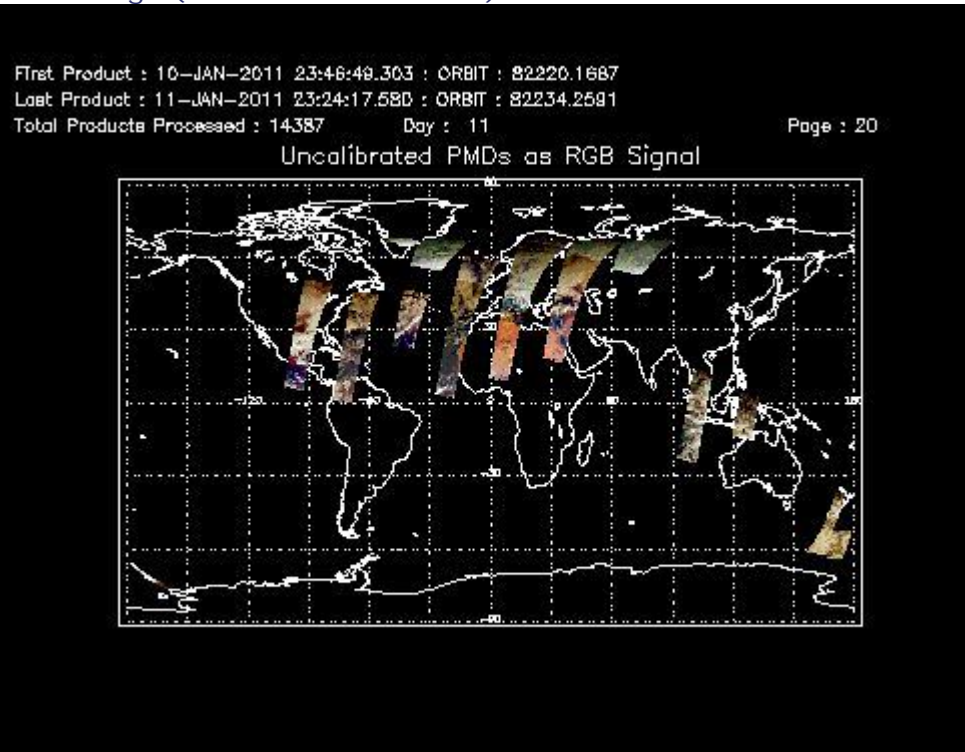
First Product : 10-JAN-2011 23:46:49.303 : ORBIT : 82220.1687
 Last Product : 11-JAN-2011 23:24:17.580 : ORBIT : 82234.2581
 Total Products Processed : 14387 Day : 11

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)
--	11:44:22.248	--	82227	--	--	15779

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)
--	--	--	--	--	--	--	--

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

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

4.2 - Instrument Off

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

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
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

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

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
--	--	--	--	--

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](#)]

(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