

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-2010
Start Time of First Product	00:08:51
Stop Time of Last Product	23:50:20
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100826GSEP3647.E2	26-AUG-2010	01:55:16.719
EGOI_100826GSEP3678.E2	26-AUG-2010	03:34:30.828
EGOI_100826GSEP3686.E2	26-AUG-2010	05:17:07.453
EGOI_100826KSEP0679.E2	26-AUG-2010	07:15:38.176
EGOI_100826KSEP0697.E2	26-AUG-2010	08:55:38.787
EGOI_100826KSEP0718.E2	26-AUG-2010	10:35:19.893
EGOI_100826KSEP0741.E2	26-AUG-2010	12:14:43.008
EGOI_100826KSEP0768.E2	26-AUG-2010	13:53:42.110
EGOI_100826KSEP0794.E2	26-AUG-2010	15:32:00.710

EGOI_100826KSEP0823.E2	26-AUG-2010	17:09:29.804
EGOI_100826KSEP0854.E2	26-AUG-2010	18:47:31.907
EGOI_100826KSEP0879.E2	26-AUG-2010	20:26:40.010
EGOI_100826KSEP0907.E2	26-AUG-2010	22:08:13.637
EGOI_100826MAEP6137.E2	26-AUG-2010	09:03:07.332
EGOI_100826MAEP6150.E2	26-AUG-2010	10:42:52.939
EGOI_100826MAEP6172.E2	26-AUG-2010	20:20:48.974
EGOI_100826MAEP6192.E2	26-AUG-2010	22:00:16.580
EGOI_100826MIEP9151.E2	26-AUG-2010	01:54:12.211
EGOI_100826MIEP9176.E2	26-AUG-2010	03:31:18.809
EGOI_100826MIEP9198.E2	26-AUG-2010	05:13:02.926
EGOI_100826MIEP9208.E2	26-AUG-2010	15:49:41.315
EGOI_100826MIEP9229.E2	26-AUG-2010	17:30:49.433
EGOI_100826MMEP3669.E2	26-AUG-2010	01:13:59.967
EGOI_100826MMEP3675.E2	26-AUG-2010	02:56:29.094
EGOI_100826MMEP3686.E2	26-AUG-2010	08:02:35.461
EGOI_100826MMEP3692.E2	26-AUG-2010	09:43:13.576
EGOI_100826MMEP3700.E2	26-AUG-2010	11:23:27.690
EGOI_100826MMEP3707.E2	26-AUG-2010	13:03:16.302
EGOI_100826MSEP7261.E2	26-AUG-2010	00:08:50.569
EGOI_100826MSEP7288.E2	26-AUG-2010	10:49:09.481
EGOI_100826MSEP7316.E2	26-AUG-2010	12:28:04.083
EGOI_100826MSEP7342.E2	26-AUG-2010	21:58:46.574
EGOI_100826MSEP7372.E2	26-AUG-2010	23:36:50.173
EGOI_100826SGEP7684.E2	26-AUG-2010	02:33:12.449
EGOI_100826SGEP7690.E2	26-AUG-2010	04:11:50.551
EGOI_100826SGEP7699.E2	26-AUG-2010	15:07:57.569
EGOI_100826SGEP7705.E2	26-AUG-2010	16:48:43.179

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80249	26-AUG-2010	07:14:06.287	07:15:38.176	91.889000
KS	80250	26-AUG-2010	08:53:36.393	08:55:38.787	122.39400
KS	80251	26-AUG-2010	10:33:13.623	10:35:19.892	126.26900
KS	80252	26-AUG-2010	12:12:38.363	12:14:43.008	124.64500
KS	80253	26-AUG-2010	13:51:32.989	13:53:42.110	129.12100
KS	80254	26-AUG-2010	15:29:40.273	15:32:00.710	140.43700
KS	80255	26-AUG-2010	17:07:22.242	17:09:29.804	127.56200
KS	80256	26-AUG-2010	18:45:33.288	18:47:31.906	118.61800
KS	80257	26-AUG-2010	20:25:05.507	20:26:40.010	94.503000
KS	80258	26-AUG-2010	22:06:38.175	22:08:13.636	95.461000

KS	80259	26-AUG-2010	23:51:09.330	23:52:18.766	69.436000
GS	80246	26-AUG-2010	01:53:51.977	01:55:16.718	84.741000
GS	80247	26-AUG-2010	03:32:50.704	03:34:30.827	100.12300
MS	80245	26-AUG-2010	00:07:04.287	00:08:50.568	106.28100
MS	80251	26-AUG-2010	10:46:51.042	10:49:09.480	138.43800
MS	80252	26-AUG-2010	12:25:52.585	12:28:04.083	131.49800
MS	80258	26-AUG-2010	21:57:13.107	21:58:46.573	93.466000
MS	80259	26-AUG-2010	23:34:58.679	23:36:50.173	111.49400
MA	80251	26-AUG-2010	10:41:16.590	10:42:52.938	96.348000
MA	80257	26-AUG-2010	20:17:34.839	20:20:48.974	194.13500
MA	80258	26-AUG-2010	21:58:48.611	22:00:16.580	87.969000
MI	80246	26-AUG-2010	01:52:29.211	01:54:12.211	103.00000
MI	80247	26-AUG-2010	03:27:35.616	03:31:18.808	223.19200
MI	80248	26-AUG-2010	05:11:27.399	05:13:02.925	95.526000
MI	80254	26-AUG-2010	15:47:46.656	15:49:41.314	114.65800
MI	80255	26-AUG-2010	17:28:57.439	17:30:49.432	111.99300
MM	80250	26-AUG-2010	09:42:12.202	09:43:13.576	61.374000
MM	80251	26-AUG-2010	11:22:18.788	11:23:27.689	68.901000
MM	80252	26-AUG-2010	13:02:11.899	13:03:16.302	64.403000
SG	80246	26-AUG-2010	02:31:24.674	02:33:12.448	107.77400
SG	80247	26-AUG-2010	04:09:58.003	04:11:50.551	112.54800
SG	80253	26-AUG-2010	15:05:07.370	15:07:57.568	170.19800
SG	80254	26-AUG-2010	16:46:30.210	16:48:43.179	132.96900

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80245	26-AUG-2010	01:01:10.968	01:14:35.849	804.88100
KS	80245	26-AUG-2010	00:25:42.627	00:27:23.583	100.95600
BE	80246	26-AUG-2010	02:19:21.777	02:32:03.907	762.13000
BE	80247	26-AUG-2010	03:58:51.493	04:11:03.558	732.06500
MM	80247	26-AUG-2010	04:38:50.571	04:44:50.584	360.01300
CM	80247	26-AUG-2010	03:27:10.197	03:38:37.226	687.02900
CM	80247	26-AUG-2010	05:07:20.386	05:16:57.326	576.94000
MM	80248	26-AUG-2010	06:20:55.813	06:27:13.443	377.63000
JO	80249	26-AUG-2010	07:39:11.657	07:53:35.768	864.11100

JO	80250	26-AUG-2010	09:19:17.253	09:32:14.263	777.01000
HO	80253	26-AUG-2010	14:51:19.938	15:01:02.251	582.31300
MM	80253	26-AUG-2010	14:41:50.039	14:54:32.063	762.02400
GS	80253	26-AUG-2010	14:04:17.489	14:12:37.034	499.54500
SG	80253	26-AUG-2010	15:05:07.370	15:18:43.647	816.27700
BE	80254	26-AUG-2010	15:16:24.769	15:27:51.535	686.76600
MM	80254	26-AUG-2010	16:21:11.840	16:33:45.224	753.38400
GS	80254	26-AUG-2010	15:41:52.422	15:55:44.411	831.98900
CM	80254	26-AUG-2010	15:50:58.362	16:02:31.733	693.37100
MM	80255	26-AUG-2010	18:00:21.344	18:12:54.211	752.86700
GS	80255	26-AUG-2010	17:21:48.513	17:33:37.440	708.92700
CM	80255	26-AUG-2010	17:31:01.013	17:40:32.877	571.86400
MM	80256	26-AUG-2010	19:39:32.858	19:52:14.215	761.35700
MA	80256	26-AUG-2010	18:44:46.007	18:48:51.800	245.79300
JO	80256	26-AUG-2010	19:59:17.786	20:13:14.488	836.70200
MM	80257	26-AUG-2010	21:19:09.015	21:31:50.548	761.53300
JO	80257	26-AUG-2010	21:38:36.360	21:52:18.394	822.03400
HO	80258	26-AUG-2010	22:50:51.278	23:04:01.986	790.70800
MM	80258	26-AUG-2010	22:59:32.008	23:11:42.270	730.26200

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

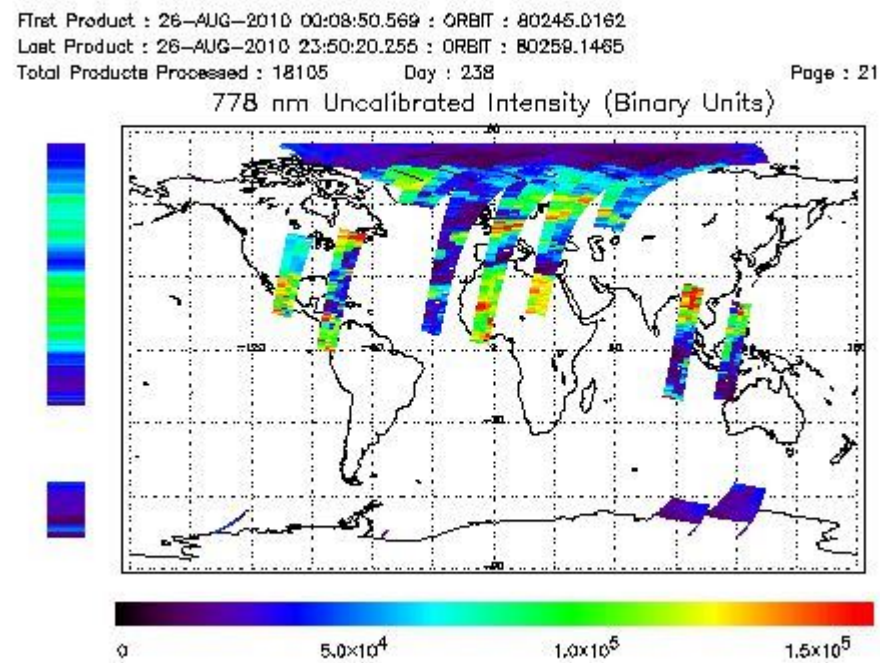
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK

Polarization Detectors	OK
FPA Temperatures A	OK
FPA 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

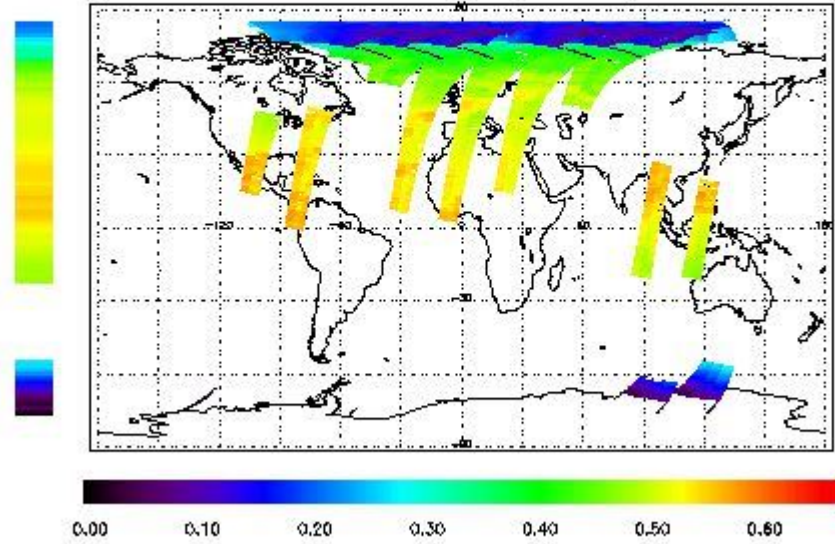


Ozone Line Ratio

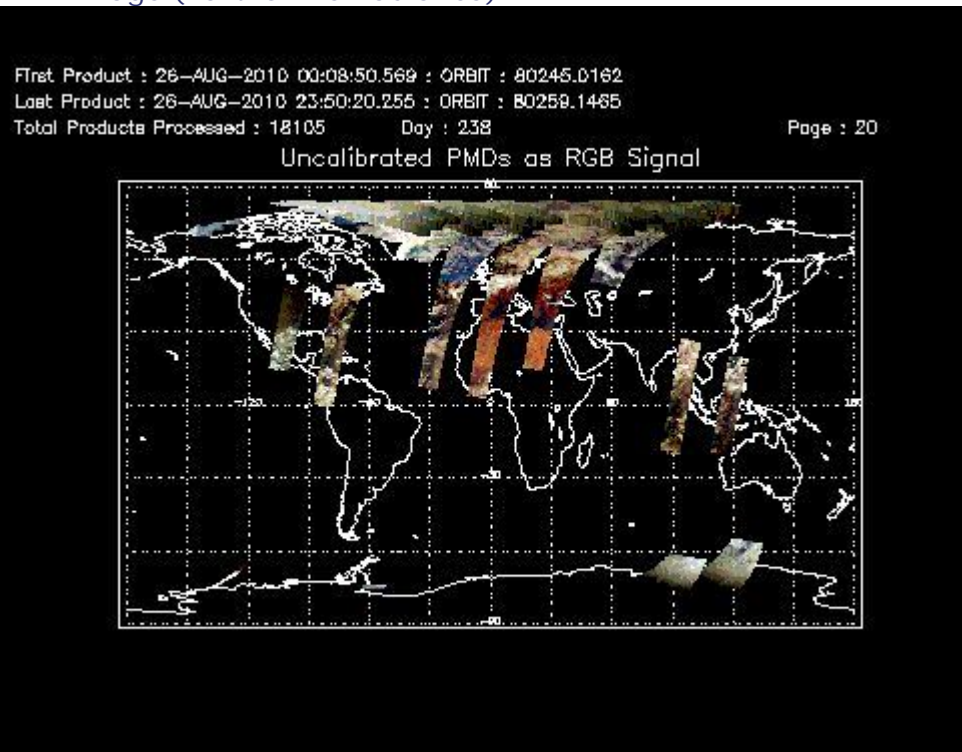
First Product : 26-AUG-2010 00:08:50.569 : ORBIT : 80245.0162
 Last Product : 26-AUG-2010 23:50:20.255 : ORBIT : 80259.1465
 Total Products Processed : 18105 Day : 238

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	17:13:19.327	--	80255	Yes	--	14872

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

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

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