

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	15-AUG-2010
Start Time of First Product	00:18:38
Stop Time of Last Product	23:06:42
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 80098

1.2 - List of received products

Name	Date	Time
EGOI_100815GSEP2871.E2	15-AUG-2010	01:03:12.499
EGOI_100815GSEP2901.E2	15-AUG-2010	02:39:59.588
EGOI_100815GSEP2925.E2	15-AUG-2010	04:21:13.702
EGOI_100815GSEP2933.E2	15-AUG-2010	06:03:29.335
EGOI_100815HLEP6877.E2	15-AUG-2010	15:40:31.353
EGOI_100815KSEP7862.E2	15-AUG-2010	06:21:38.436
EGOI_100815KSEP7881.E2	15-AUG-2010	08:01:30.049
EGOI_100815KSEP7903.E2	15-AUG-2010	09:41:12.652
EGOI_100815KSEP7934.E2	15-AUG-2010	11:20:44.763

EGOI_100815KSEP7963.E2	15-AUG-2010	12:59:55.866
EGOI_100815KSEP7974.E2	15-AUG-2010	14:38:44.472
EGOI_100815KSEP8000.E2	15-AUG-2010	16:16:25.567
EGOI_100815KSEP8030.E2	15-AUG-2010	17:54:29.170
EGOI_100815KSEP8062.E2	15-AUG-2010	19:32:25.265
EGOI_100815KSEP8093.E2	15-AUG-2010	21:12:42.376
EGOI_100815KSEP8119.E2	15-AUG-2010	22:55:19.006
EGOI_100815MAEP5684.E2	15-AUG-2010	08:10:06.100
EGOI_100815MAEP5698.E2	15-AUG-2010	09:48:35.198
EGOI_100815MIEP8644.E2	15-AUG-2010	02:36:35.569
EGOI_100815MIEP8666.E2	15-AUG-2010	04:15:31.670
EGOI_100815MIEP8689.E2	15-AUG-2010	14:56:49.077
EGOI_100815MIEP8702.E2	15-AUG-2010	16:35:16.685
EGOI_100815MMEP3101.E2	15-AUG-2010	00:18:37.728
EGOI_100815MMEP3107.E2	15-AUG-2010	02:00:42.850
EGOI_100815MMEP3114.E2	15-AUG-2010	03:43:31.479
EGOI_100815MMEP3129.E2	15-AUG-2010	20:26:34.589
EGOI_100815MMEP3137.E2	15-AUG-2010	22:06:42.709
EGOI_100815MSEP6009.E2	15-AUG-2010	00:57:01.963
EGOI_100815MSEP6021.E2	15-AUG-2010	09:57:12.752
EGOI_100815MSEP6045.E2	15-AUG-2010	11:33:47.846
EGOI_100815MSEP6069.E2	15-AUG-2010	13:14:34.956
EGOI_100815MSEP6102.E2	15-AUG-2010	22:42:50.424
EGOI_100815SGEP7406.E2	15-AUG-2010	03:17:43.315
EGOI_100815SGEP7415.E2	15-AUG-2010	04:59:19.936
EGOI_100815SGEP7420.E2	15-AUG-2010	14:14:56.327
EGOI_100815SGEP7426.E2	15-AUG-2010	15:52:32.923

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80091	15-AUG-2010	06:20:27.009	06:21:38.435	71.426000
KS	80092	15-AUG-2010	07:59:32.736	08:01:30.049	117.31300
KS	80093	15-AUG-2010	09:39:09.321	09:41:12.652	123.33100
KS	80094	15-AUG-2010	11:18:42.947	11:20:44.762	121.81500
KS	80095	15-AUG-2010	12:57:55.975	12:59:55.865	119.89000
KS	80096	15-AUG-2010	14:36:40.225	14:38:44.472	124.24700
KS	80097	15-AUG-2010	16:14:20.590	16:16:25.566	124.97600
KS	80098	15-AUG-2010	17:52:14.117	17:54:29.170	135.05300
KS	80099	15-AUG-2010	19:30:50.874	19:32:25.264	94.390000
KS	80100	15-AUG-2010	21:11:13.427	21:12:42.375	88.948000
KS	80101	15-AUG-2010	22:53:56.077	22:55:19.005	82.928000

GS	80088	15-AUG-2010	01:02:03.327	01:03:12.498	69.171000
GS	80089	15-AUG-2010	02:38:34.128	02:39:59.587	85.459000
GS	80090	15-AUG-2010	04:19:45.928	04:21:13.702	87.774000
MS	80094	15-AUG-2010	11:31:39.588	11:33:47.846	128.25800
MS	80095	15-AUG-2010	13:12:35.923	13:14:34.956	119.03300
MS	80101	15-AUG-2010	22:41:05.869	22:42:50.423	104.55400
MA	80093	15-AUG-2010	09:47:12.108	09:48:35.198	83.090000
MI	80089	15-AUG-2010	02:34:44.139	02:36:35.568	111.42900
MI	80090	15-AUG-2010	04:13:37.846	04:15:31.670	113.82400
MI	80096	15-AUG-2010	14:54:58.635	14:56:49.076	110.44100
MI	80097	15-AUG-2010	16:33:21.959	16:35:16.684	114.72500
MM	80099	15-AUG-2010	20:25:00.305	20:26:34.588	94.283000
MM	80100	15-AUG-2010	22:04:55.457	22:06:42.709	107.25200
SG	80089	15-AUG-2010	03:15:37.140	03:17:43.314	126.17400
SG	80090	15-AUG-2010	04:57:53.716	04:59:19.936	86.220000
SG	80095	15-AUG-2010	14:13:23.182	14:14:56.326	93.144000
SG	80096	15-AUG-2010	15:50:29.282	15:52:32.923	123.64100

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80087	15-AUG-2010	00:06:25.022	00:21:00.592	875.57000
HO	80088	15-AUG-2010	01:48:58.530	01:58:53.225	594.69500
BE	80089	15-AUG-2010	03:04:32.963	03:17:57.851	804.88800
CM	80089	15-AUG-2010	02:37:11.045	02:41:41.275	270.23000
CM	80089	15-AUG-2010	04:11:58.377	04:24:21.799	743.42200
BE	80090	15-AUG-2010	04:45:15.029	04:54:25.657	550.62800
MM	80090	15-AUG-2010	05:25:41.636	05:31:28.376	346.74000
MM	80091	15-AUG-2010	07:07:09.427	07:14:21.174	431.74700
JO	80091	15-AUG-2010	06:47:35.882	06:58:19.702	643.82000
MM	80092	15-AUG-2010	08:47:45.400	08:57:18.504	573.10400
JO	80092	15-AUG-2010	08:24:11.519	08:39:11.028	899.50900
MM	80093	15-AUG-2010	10:27:59.723	10:39:24.877	685.15400
JO	80093	15-AUG-2010	10:08:17.579	10:14:45.648	388.06900
MM	80094	15-AUG-2010	12:08:00.227	12:20:26.509	746.28200
MA	80094	15-AUG-2010	11:28:24.913	11:36:24.449	479.53600

HO	80095	15-AUG-2010	13:56:25.430	14:10:23.665	838.23500
MM	80095	15-AUG-2010	13:47:46.749	14:00:30.606	763.85700
SG	80095	15-AUG-2010	14:13:23.182	14:22:58.094	574.91200
BE	80096	15-AUG-2010	14:21:13.263	14:34:34.143	800.88000
MM	80096	15-AUG-2010	15:27:17.418	15:39:55.398	757.98000
GS	80096	15-AUG-2010	14:48:22.352	15:00:39.884	737.53200
CM	80096	15-AUG-2010	15:00:41.799	15:04:38.459	236.66000
BE	80097	15-AUG-2010	16:05:11.997	16:11:05.738	353.74100
MM	80097	15-AUG-2010	17:06:32.528	17:19:04.114	751.58600
GS	80097	15-AUG-2010	16:27:22.181	16:41:01.778	819.59700
CM	80097	15-AUG-2010	16:35:57.338	16:48:19.046	741.70800
MM	80098	15-AUG-2010	18:45:40.533	18:58:16.894	756.36100
GS	80098	15-AUG-2010	18:08:09.438	18:16:43.416	513.97800
JO	80098	15-AUG-2010	19:07:49.976	19:16:08.744	498.76800
MA	80099	15-AUG-2010	19:27:03.330	19:36:24.603	561.27300
JO	80099	15-AUG-2010	20:44:14.170	20:59:15.809	901.63900
MA	80100	15-AUG-2010	21:03:00.741	21:16:26.905	806.16400
JO	80100	15-AUG-2010	22:25:28.736	22:35:15.633	586.89700
HO	80101	15-AUG-2010	23:35:21.111	23:49:44.161	863.05000
MM	80101	15-AUG-2010	23:45:45.442	23:57:25.891	700.44900

[[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

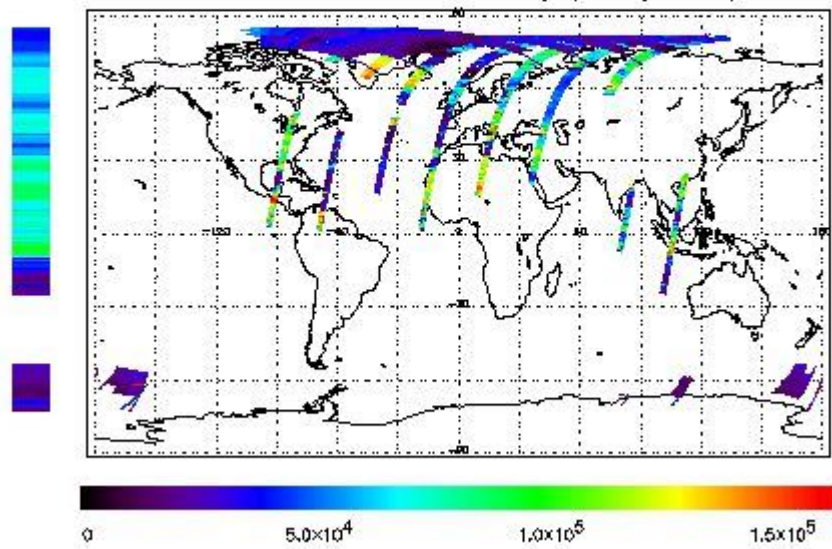
2.2 - Daily Plots

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

First Product : 15-AUG-2010 00:18:37.728 : ORBIT : 80087.6563
 Last Product : 15-AUG-2010 23:06:41.588 : ORBIT : 80101.2556
 Total Products Processed : 16866 Day : 227 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

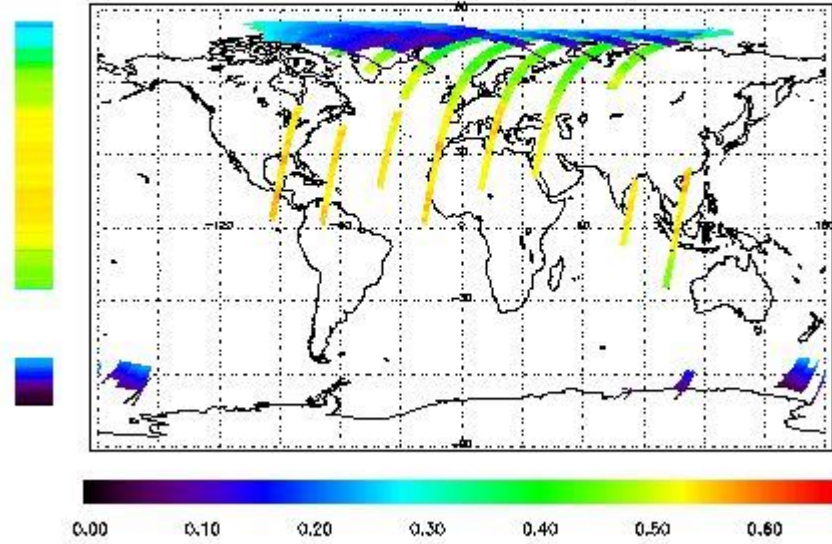


Ozone Line Ratio

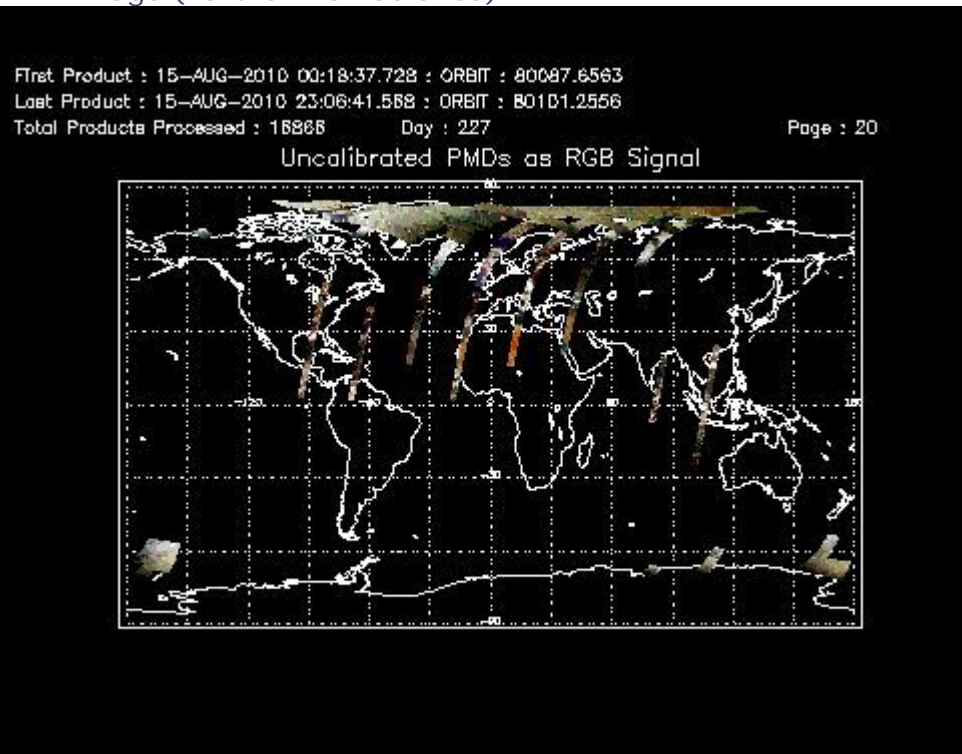
First Product : 15-AUG-2010 00:18:37.728 : ORBIT : 80087.6563
 Last Product : 15-AUG-2010 23:06:41.588 : ORBIT : 80101.2556
 Total Products Processed : 18888 Day : 227

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	19:38:41.800	--	80099	Yes	--	14764

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
18:30	18:30	80084	80098

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