

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-SEP-2010
Start Time of First Product	00:23:44
Stop Time of Last Product	22:35:38
Number of EGOI Products analysed	31
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100920GSEP5426.E2	20-SEP-2010	02:09:21.855
EGOI_100920GSEP5456.E2	20-SEP-2010	03:49:02.961
EGOI_100920GSEP5465.E2	20-SEP-2010	05:45:00.672
EGOI_100920GSEP5470.E2	20-SEP-2010	05:45:00.677
EGOI_100920KSEP6985.E2	20-SEP-2010	07:30:02.822
EGOI_100920KSEP7003.E2	20-SEP-2010	09:10:03.432
EGOI_100920KSEP7025.E2	20-SEP-2010	10:49:43.042
EGOI_100920KSEP7055.E2	20-SEP-2010	12:29:03.149
EGOI_100920KSEP7083.E2	20-SEP-2010	14:08:00.764

EGOI_100920KSEP7109.E2	20-SEP-2010	15:45:55.359
EGOI_100920KSEP7138.E2	20-SEP-2010	17:23:48.462
EGOI_100920KSEP7170.E2	20-SEP-2010	19:01:38.563
EGOI_100920KSEP7201.E2	20-SEP-2010	20:41:10.674
EGOI_100920KSEP7229.E2	20-SEP-2010	22:23:03.801
EGOI_100920MAEP7323.E2	20-SEP-2010	09:17:16.979
EGOI_100920MAEP7332.E2	20-SEP-2010	10:57:16.084
EGOI_100920MIEP1184.E2	20-SEP-2010	02:07:18.840
EGOI_100920MIEP1214.E2	20-SEP-2010	03:43:59.934
EGOI_100920MIEP1234.E2	20-SEP-2010	14:27:48.881
EGOI_100920MIEP1252.E2	20-SEP-2010	16:04:02.972
EGOI_100920MIEP1263.E2	20-SEP-2010	17:46:06.597
EGOI_100920MMEP5227.E2	20-SEP-2010	04:53:58.859
EGOI_100920MMEP5236.E2	20-SEP-2010	08:22:43.638
EGOI_100920MMEP5249.E2	20-SEP-2010	21:35:47.011
EGOI_100920MSEP0153.E2	20-SEP-2010	00:23:43.710
EGOI_100920MSEP0176.E2	20-SEP-2010	11:02:58.122
EGOI_100920MSEP0203.E2	20-SEP-2010	12:42:27.233
EGOI_100920MSEP0234.E2	20-SEP-2010	22:12:21.738
EGOI_100920SGEP8238.E2	20-SEP-2010	02:47:05.582
EGOI_100920SGEP8246.E2	20-SEP-2010	04:26:25.695
EGOI_100920SGEP8254.E2	20-SEP-2010	17:04:22.838

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80607	20-SEP-2010	07:28:17.469	07:30:02.821	105.35200
KS	80608	20-SEP-2010	09:07:50.408	09:10:03.431	133.02300
KS	80609	20-SEP-2010	10:47:26.889	10:49:43.041	136.15200
KS	80610	20-SEP-2010	12:26:48.405	12:29:03.149	134.74400
KS	80611	20-SEP-2010	14:05:41.591	14:08:00.764	139.17300
KS	80612	20-SEP-2010	15:43:38.234	15:45:55.358	137.12400
KS	80613	20-SEP-2010	17:21:29.750	17:23:48.462	138.71200
KS	80614	20-SEP-2010	18:59:40.500	19:01:38.562	118.06200
KS	80615	20-SEP-2010	20:39:27.625	20:41:10.674	103.04900
KS	80616	20-SEP-2010	22:21:20.890	22:23:03.800	102.91000
GS	80604	20-SEP-2010	02:07:44.304	02:09:21.854	97.550000
GS	80605	20-SEP-2010	03:47:22.060	03:49:02.960	100.90000
MS	80603	20-SEP-2010	00:21:57.773	00:23:43.709	105.93600
MS	80609	20-SEP-2010	11:00:39.894	11:02:58.122	138.22800
MS	80610	20-SEP-2010	12:40:15.482	12:42:27.232	131.75000

MS	80616	20-SEP-2010	22:10:45.361	22:12:21.737	96.376000
MS	80617	20-SEP-2010	23:49:28.187	23:51:29.841	121.65400
MA	80609	20-SEP-2010	10:55:42.429	10:57:16.084	93.655000
MI	80604	20-SEP-2010	02:05:17.999	02:07:18.840	120.84100
MI	80605	20-SEP-2010	03:41:49.566	03:43:59.933	130.36700
MI	80611	20-SEP-2010	14:25:59.568	14:27:48.881	109.31300
MI	80612	20-SEP-2010	16:01:55.833	16:04:02.971	127.13800
MI	80613	20-SEP-2010	17:44:13.921	17:46:06.596	112.67500
MM	80607	20-SEP-2010	08:16:11.523	08:22:43.637	392.11400
MM	80607	20-SEP-2010	08:23:52.644	08:25:00.997	68.353000
MM	80615	20-SEP-2010	21:33:26.129	21:35:47.010	140.88100
SG	80604	20-SEP-2010	02:45:02.241	02:47:05.581	123.34000
SG	80605	20-SEP-2010	04:24:37.540	04:26:25.695	108.15500

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80603	20-SEP-2010	01:15:43.497	01:28:32.736	769.23900
MM	80603	20-SEP-2010	01:27:40.046	01:37:37.539	597.49300
BE	80604	20-SEP-2010	02:33:25.249	02:46:32.008	786.75900
MM	80604	20-SEP-2010	03:10:30.698	03:18:08.340	457.64200
CM	80604	20-SEP-2010	03:40:59.992	03:53:02.615	722.62300
BE	80605	20-SEP-2010	04:13:16.297	04:24:45.985	689.68800
MM	80606	20-SEP-2010	06:35:23.988	06:41:56.555	392.56700
KS	80606	20-SEP-2010	05:49:59.235	05:52:29.520	150.28500
CM	80606	20-SEP-2010	05:22:33.151	05:30:13.019	459.86800
JO	80607	20-SEP-2010	07:53:07.546	08:07:55.213	887.66700
MM	80608	20-SEP-2010	09:56:31.116	10:07:26.327	655.21100
JO	80608	20-SEP-2010	09:34:11.482	09:45:53.490	702.00800
MM	80609	20-SEP-2010	11:36:35.788	11:48:48.236	732.44800
MM	80610	20-SEP-2010	13:16:26.884	13:29:08.849	761.96500
HO	80611	20-SEP-2010	15:05:55.403	15:14:40.126	524.72300
MM	80611	20-SEP-2010	14:56:02.723	15:08:43.601	760.87800
GS	80611	20-SEP-2010	14:17:53.259	14:27:53.107	599.84800
SG	80611	20-SEP-2010	15:19:09.369	15:33:00.775	831.40600
BE	80612	20-SEP-2010	15:31:18.477	15:41:39.083	620.60600

MM	80612	20-SEP-2010	16:35:22.302	16:47:54.864	752.56200
GS	80612	20-SEP-2010	15:56:03.367	16:09:59.471	836.10400
CM	80612	20-SEP-2010	16:04:53.528	16:17:00.600	727.07200
MM	80613	20-SEP-2010	18:14:30.972	18:27:04.749	753.77700
GS	80613	20-SEP-2010	17:36:13.453	17:47:13.800	660.34700
CM	80613	20-SEP-2010	17:45:59.469	17:53:41.567	462.09800
MM	80614	20-SEP-2010	19:53:44.523	20:06:26.955	762.43200
MA	80614	20-SEP-2010	18:58:20.877	19:03:08.705	287.82800
JO	80614	20-SEP-2010	20:13:14.603	20:27:45.950	871.34700
MA	80615	20-SEP-2010	20:31:36.615	20:45:19.343	822.72800
JO	80615	20-SEP-2010	21:53:06.482	22:05:56.655	770.17300
HO	80616	20-SEP-2010	23:04:43.767	23:18:21.244	817.47700
MM	80616	20-SEP-2010	23:13:57.259	23:25:59.360	722.10100
MA	80616	20-SEP-2010	22:14:23.287	22:23:39.125	555.83800

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## 1.5 - List of corrupted products

Station	Orbit	Time
GS	80604	02:09:30.855

## 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

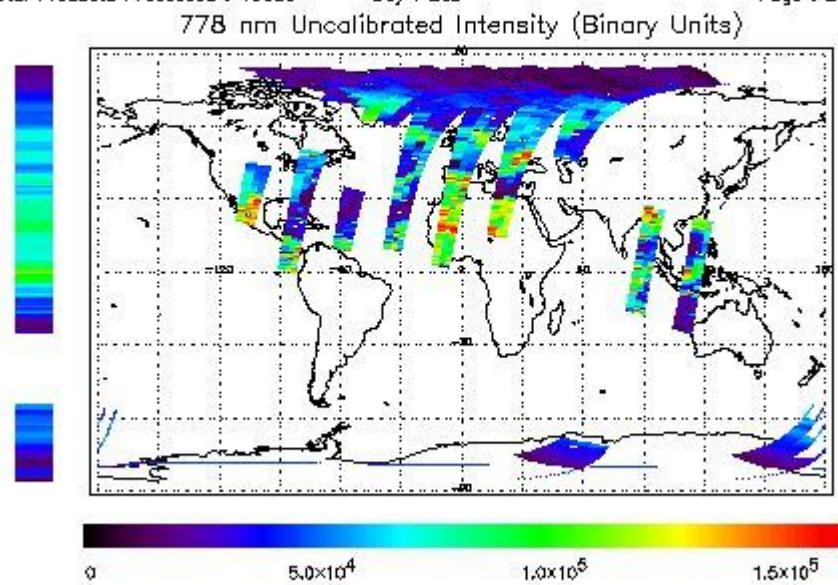
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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

First Product : 20-SEP-2010 00:23:43.710 : ORBIT : 80603.0213  
 Last Product : 20-SEP-2010 22:35:38.375 : ORBIT : 80616.2612  
 Total Products Processed : 13683 Day : 263 Page : 21

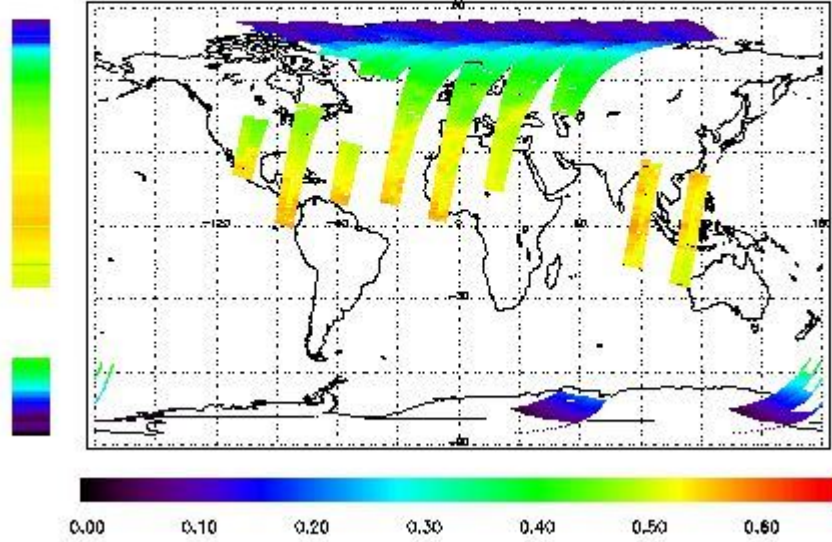


### Ozone Line Ratio

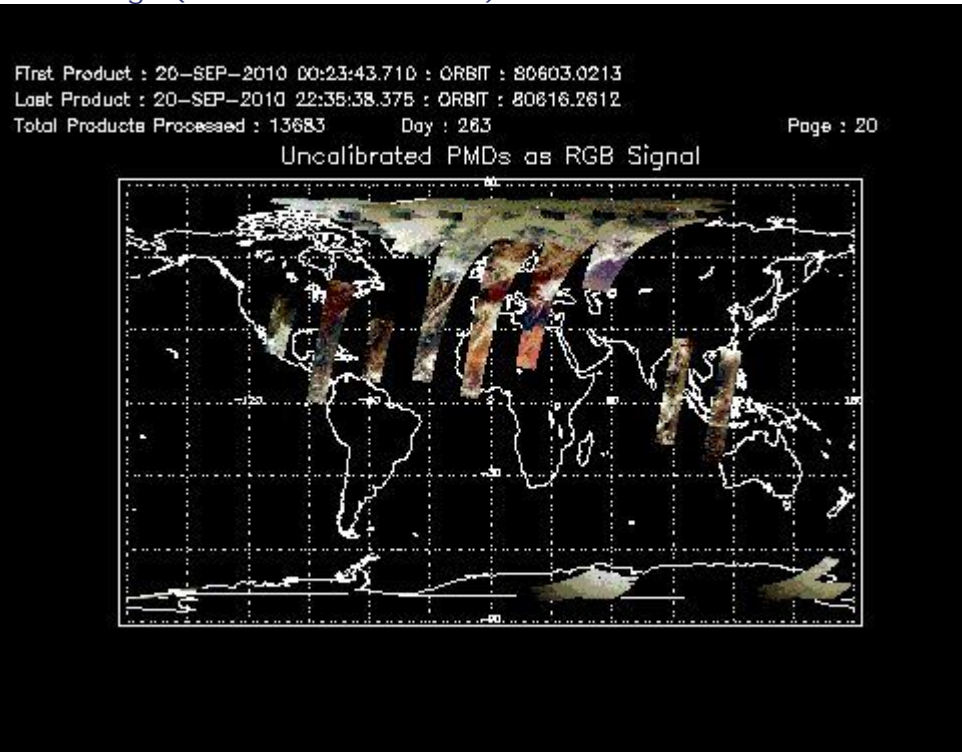
First Product : 20-SEP-2010 00:23:43.710 : ORBIT : 80603.0213  
 Last Product : 20-SEP-2010 22:35:38.375 : ORBIT : 80616.2612  
 Total Products Processed : 13683 Day : 263

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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	17:30:39.500	--	80613	Yes	--	15078

#### 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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(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