

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-SEP-2010
Start Time of First Product	23:51:30 (20-Sep)
Stop Time of Last Product	23:43:49
Number of EGOI Products analysed	38
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100921GSEP5495.E2	21-SEP-2010	01:39:45.508
EGOI_100921GSEP5522.E2	21-SEP-2010	03:17:14.607
EGOI_100921KSEP7246.E2	21-SEP-2010	06:58:44.456
EGOI_100921KSEP7263.E2	21-SEP-2010	08:38:43.571
EGOI_100921KSEP7283.E2	21-SEP-2010	10:18:23.186
EGOI_100921KSEP7304.E2	21-SEP-2010	11:57:56.796
EGOI_100921KSEP7320.E2	21-SEP-2010	13:36:52.899
EGOI_100921KSEP7345.E2	21-SEP-2010	15:15:31.008
EGOI_100921KSEP7374.E2	21-SEP-2010	16:53:00.103

EGOI_100921KSEP7405.E2	21-SEP-2010	18:30:51.707
EGOI_100921KSEP7437.E2	21-SEP-2010	20:09:38.810
EGOI_100921KSEP7465.E2	21-SEP-2010	21:50:46.929
EGOI_100921KSEP7489.E2	21-SEP-2010	23:34:14.564
EGOI_100921MAEP7347.E2	21-SEP-2010	08:46:46.616
EGOI_100921MAEP7359.E2	21-SEP-2010	10:25:51.728
EGOI_100921MIEP1274.E2	21-SEP-2010	01:40:20.012
EGOI_100921MIEP1297.E2	21-SEP-2010	03:12:47.579
EGOI_100921MIEP1313.E2	21-SEP-2010	04:54:25.698
EGOI_100921MIEP1330.E2	21-SEP-2010	15:32:58.106
EGOI_100921MIEP1358.E2	21-SEP-2010	17:13:13.728
EGOI_100921MMEP5260.E2	21-SEP-2010	04:21:44.998
EGOI_100921MMEP5267.E2	21-SEP-2010	06:04:05.128
EGOI_100921MMEP5274.E2	21-SEP-2010	07:45:26.743
EGOI_100921MMEP5283.E2	21-SEP-2010	11:06:23.476
EGOI_100921MMEP5290.E2	21-SEP-2010	12:46:19.586
EGOI_100921MMEP5299.E2	21-SEP-2010	14:26:53.207
EGOI_100921MMEP5304.E2	21-SEP-2010	16:05:34.309
EGOI_100921MMEP5312.E2	21-SEP-2010	19:24:20.528
EGOI_100921MMEP5319.E2	21-SEP-2010	21:03:37.643
EGOI_100921MSEP0264.E2	20-SEP-2010	23:51:29.842
EGOI_100921MSEP0287.E2	21-SEP-2010	10:32:42.773
EGOI_100921MSEP0316.E2	21-SEP-2010	12:10:58.375
EGOI_100921MSEP0342.E2	21-SEP-2010	21:42:46.882
EGOI_100921MSEP0375.E2	21-SEP-2010	23:19:51.977
EGOI_100921SGEP8259.E2	21-SEP-2010	02:17:14.235
EGOI_100921SGEP8267.E2	21-SEP-2010	03:54:28.330
EGOI_100921SGEP8275.E2	21-SEP-2010	14:52:45.867
EGOI_100921SGEP8281.E2	21-SEP-2010	16:30:55.466

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80621	21-SEP-2010	06:57:06.402	06:58:44.456	98.054000
KS	80622	21-SEP-2010	08:36:31.721	08:38:43.571	131.85000
KS	80623	21-SEP-2010	10:16:09.376	10:18:23.185	133.80900
KS	80624	21-SEP-2010	11:55:37.483	11:57:56.795	139.31200
KS	80625	21-SEP-2010	13:34:37.912	13:36:52.899	134.98700
KS	80626	21-SEP-2010	15:12:59.916	15:15:31.007	151.09100
KS	80627	21-SEP-2010	16:50:36.958	16:53:00.103	143.14500
KS	80628	21-SEP-2010	18:28:38.849	18:30:51.707	132.85800
KS	80629	21-SEP-2010	20:07:54.185	20:09:38.810	104.62500

KS	80630	21-SEP-2010	21:49:03.398	21:50:46.928	103.53000
KS	80631	21-SEP-2010	23:32:55.204	23:34:14.564	79.360000
GS	80618	21-SEP-2010	01:37:20.530	01:39:45.507	144.97700
GS	80619	21-SEP-2010	03:15:33.458	03:17:14.607	101.14900
MS	80617	20-SEP-2010	23:49:28.187	23:51:29.841	121.65400
MS	80623	21-SEP-2010	10:30:22.546	10:32:42.773	140.22700
MS	80624	21-SEP-2010	12:08:38.372	12:10:58.374	140.00200
MS	80631	21-SEP-2010	23:17:46.112	23:19:51.976	125.86400
MA	80622	21-SEP-2010	08:45:29.593	08:46:46.615	77.022000
MA	80623	21-SEP-2010	10:24:11.882	10:25:51.727	99.845000
MI	80619	21-SEP-2010	03:10:41.160	03:12:47.578	126.41800
MI	80620	21-SEP-2010	04:52:27.530	04:54:25.698	118.16800
MI	80626	21-SEP-2010	15:30:54.865	15:32:58.105	123.24000
MI	80627	21-SEP-2010	17:11:08.525	17:13:13.727	125.20200
MM	80623	21-SEP-2010	11:05:10.029	11:06:23.475	73.446000
MM	80624	21-SEP-2010	12:45:05.518	12:46:19.585	74.067000
MM	80625	21-SEP-2010	14:24:46.363	14:26:53.206	126.84300
MM	80625	21-SEP-2010	14:29:08.213	14:37:29.485	501.27200
MM	80626	21-SEP-2010	16:04:10.923	16:05:34.309	83.386000
MM	80628	21-SEP-2010	19:22:31.519	19:24:20.527	109.00800
MM	80629	21-SEP-2010	21:02:01.753	21:03:37.643	95.890000
SG	80618	21-SEP-2010	02:15:24.256	02:17:14.235	109.97900
SG	80619	21-SEP-2010	03:52:35.742	03:54:28.329	112.58700
SG	80625	21-SEP-2010	14:48:28.302	14:52:45.867	257.56500
SG	80626	21-SEP-2010	16:28:26.545	16:30:55.465	148.92000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80617	21-SEP-2010	00:43:42.226	00:57:48.118	845.89200
MM	80617	21-SEP-2010	00:55:31.355	01:06:06.559	635.20400
KS	80617	21-SEP-2010	00:06:32.956	00:11:21.467	288.51100
BE	80618	21-SEP-2010	02:02:35.520	02:14:31.741	716.22100
MM	80618	21-SEP-2010	02:38:07.094	02:46:30.008	502.91400
BE	80619	21-SEP-2010	03:41:38.072	03:54:27.458	769.38600
CM	80619	21-SEP-2010	03:10:49.352	03:21:07.358	618.00600

CM	80619	21-SEP-2010	04:49:32.421	05:00:37.133	664.71200
JO	80621	21-SEP-2010	07:22:38.812	07:36:18.344	819.53200
MM	80622	21-SEP-2010	09:25:01.106	09:35:21.342	620.23600
JO	80622	21-SEP-2010	09:01:39.755	09:15:38.796	839.04100
HO	80625	21-SEP-2010	14:33:55.632	14:45:36.026	700.39400
SG	80625	21-SEP-2010	14:48:28.302	15:01:24.464	776.16200
BE	80626	21-SEP-2010	14:58:46.464	15:11:09.042	742.57800
GS	80626	21-SEP-2010	15:24:54.200	15:38:30.882	816.68200
CM	80626	21-SEP-2010	15:34:29.266	15:44:53.770	624.50400
MM	80627	21-SEP-2010	17:43:21.823	17:55:53.886	752.06300
GS	80627	21-SEP-2010	17:04:33.906	17:17:09.635	755.72900
CM	80627	21-SEP-2010	17:13:23.632	17:24:21.542	657.91000
JO	80628	21-SEP-2010	19:42:42.853	19:55:36.292	773.43900
MA	80629	21-SEP-2010	20:00:52.236	20:14:14.279	802.04300
JO	80629	21-SEP-2010	21:21:19.264	21:35:45.003	865.73900
HO	80630	21-SEP-2010	22:34:19.079	22:46:50.969	751.89000
MM	80630	21-SEP-2010	22:42:15.396	22:54:34.121	738.72500
MA	80630	21-SEP-2010	21:40:35.866	21:53:13.994	758.12800

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## 1.5 - List of corrupted products

Station	Orbit	Time
MS	80630	21:42:51.382

## 2 - Instrument Indicators and Daily Plots

### 2.1 - Instrument Indicators Status

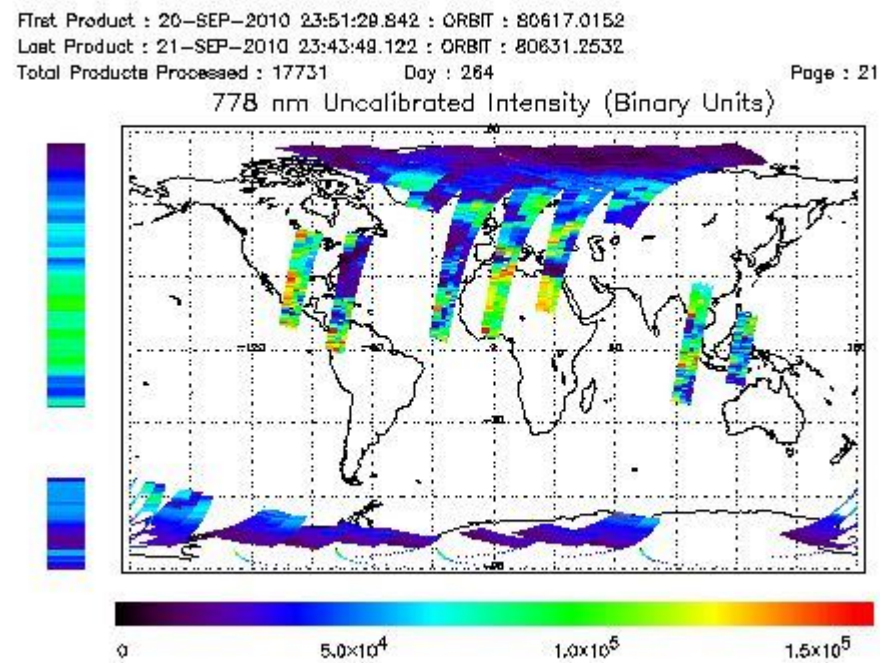
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

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

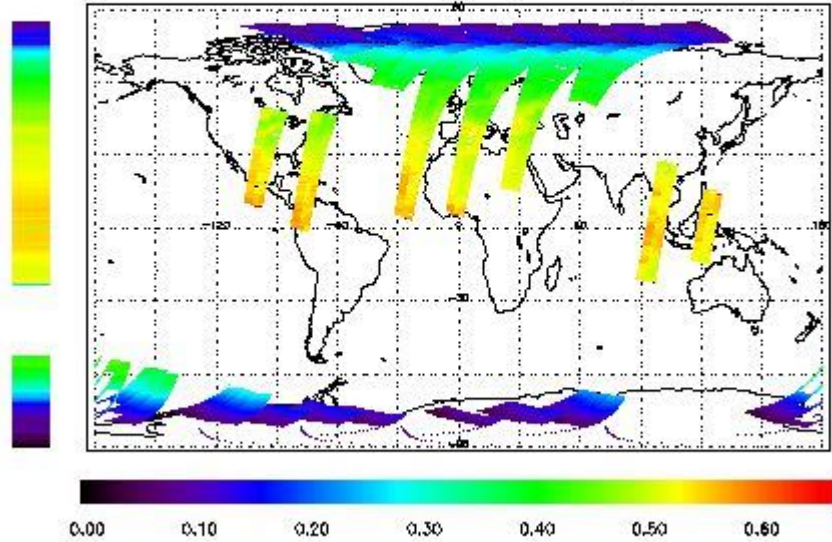
First Product : 20-SEP-2010 23:51:20.842 : ORBIT : 80617.0152

Last Product : 21-SEP-2010 23:43:49.122 : ORBIT : 80631.2532

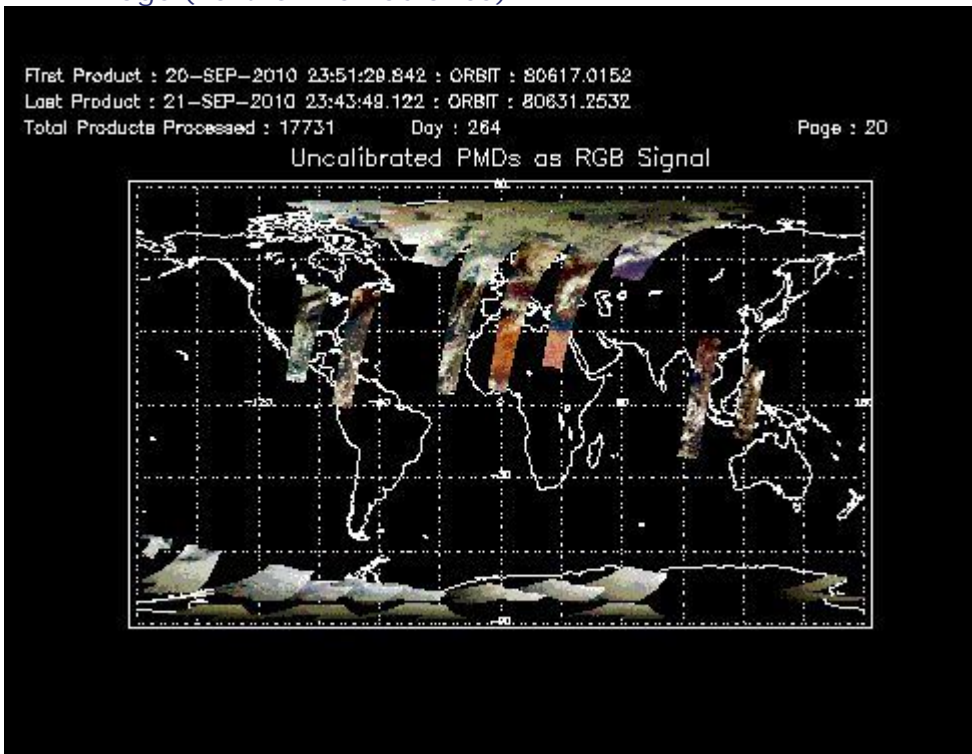
Total Products Processed : 17731 Day : 264

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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	16:59:12.138	--	80627	Yes	--	15090

#### 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
01:00 05-Sep	--	80388	--

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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