

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-SEP-2010
Start Time of First Product	23:45:50 (17-Sep)
Stop Time of Last Product	23:38:09
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100918GSEP5284.E2	18-SEP-2010	01:33:37.008
EGOI_100918GSEP5312.E2	18-SEP-2010	03:11:30.105
EGOI_100918GSEP5320.E2	18-SEP-2010	04:54:23.231
EGOI_100918KSEP6491.E2	18-SEP-2010	06:53:01.458
EGOI_100918KSEP6510.E2	18-SEP-2010	08:33:00.572
EGOI_100918KSEP6528.E2	18-SEP-2010	10:12:40.183
EGOI_100918KSEP6549.E2	18-SEP-2010	11:52:15.289
EGOI_100918KSEP6567.E2	18-SEP-2010	13:31:11.400
EGOI_100918KSEP6576.E2	18-SEP-2010	15:09:52.504

EGOI_100918KSEP6603.E2	18-SEP-2010	16:47:21.598
EGOI_100918KSEP6634.E2	18-SEP-2010	18:25:17.698
EGOI_100918KSEP6661.E2	18-SEP-2010	20:04:00.300
EGOI_100918KSEP6690.E2	18-SEP-2010	21:45:00.920
EGOI_100918KSEP6715.E2	18-SEP-2010	23:28:19.554
EGOI_100918MAEP7248.E2	18-SEP-2010	08:41:05.122
EGOI_100918MAEP7257.E2	18-SEP-2010	10:30:50.791
EGOI_100918MAEP7276.E2	18-SEP-2010	19:57:42.260
EGOI_100918MIEP1025.E2	18-SEP-2010	03:07:10.578
EGOI_100918MIEP1042.E2	18-SEP-2010	04:48:20.191
EGOI_100918MIEP1052.E2	18-SEP-2010	15:27:25.605
EGOI_100918MIEP1075.E2	18-SEP-2010	17:07:20.223
EGOI_100918MMEP5117.E2	18-SEP-2010	00:50:50.242
EGOI_100918MMEP5123.E2	18-SEP-2010	02:39:31.402
EGOI_100918MMEP5132.E2	18-SEP-2010	07:39:39.244
EGOI_100918MMEP5140.E2	18-SEP-2010	09:20:24.858
EGOI_100918MMEP5147.E2	18-SEP-2010	11:00:43.473
EGOI_100918MMEP5155.E2	18-SEP-2010	12:40:38.084
EGOI_100918MMEP5163.E2	18-SEP-2010	14:20:04.193
EGOI_100918MSEP0010.E2	18-SEP-2010	23:14:04.468
EGOI_100918MSEP9892.E2	17-SEP-2010	23:45:49.842
EGOI_100918MSEP9917.E2	18-SEP-2010	10:27:14.769
EGOI_100918MSEP9946.E2	18-SEP-2010	12:05:06.373
EGOI_100918MSEP9955.E2	18-SEP-2010	13:48:09.999
EGOI_100918MSEP9977.E2	18-SEP-2010	21:37:42.877
EGOI_100918SGEP8193.E2	18-SEP-2010	16:32:32.004
EGOI_100918SGEP8200.E2	18-SEP-2010	16:32:32.004

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80578	18-SEP-2010	06:51:26.930	06:53:01.458	94.528000
KS	80579	18-SEP-2010	08:30:50.218	08:33:00.571	130.35300
KS	80580	18-SEP-2010	10:10:27.894	10:12:40.182	132.28800
KS	80581	18-SEP-2010	11:49:57.006	11:52:15.289	138.28300
KS	80582	18-SEP-2010	13:28:59.553	13:31:11.399	131.84600
KS	80583	18-SEP-2010	15:07:26.939	15:09:52.503	145.56400
KS	80584	18-SEP-2010	16:45:03.690	16:47:21.597	137.90700
KS	80585	18-SEP-2010	18:23:01.203	18:25:17.698	136.49500
KS	80586	18-SEP-2010	20:02:11.162	20:04:00.299	109.13700
KS	80587	18-SEP-2010	21:43:12.840	21:45:00.920	108.08000
KS	80588	18-SEP-2010	23:26:52.886	23:28:19.553	86.667000

GS	80575	18-SEP-2010	01:31:51.918	01:33:37.007	105.08900
GS	80576	18-SEP-2010	03:09:49.598	03:11:30.105	100.50700
MS	80588	18-SEP-2010	23:12:04.367	23:14:04.468	120.10100
MS	80580	18-SEP-2010	10:24:53.842	10:27:14.768	140.92600
MS	80581	18-SEP-2010	12:02:55.692	12:05:06.373	130.68100
MA	80579	18-SEP-2010	08:39:42.579	08:41:05.122	82.543000
MA	80586	18-SEP-2010	19:55:19.908	19:57:42.260	142.35200
MI	80576	18-SEP-2010	03:05:05.524	03:07:10.578	125.05400
MI	80577	18-SEP-2010	04:46:21.034	04:48:20.190	119.15600
MI	80583	18-SEP-2010	15:25:19.556	15:27:25.604	126.04800
MI	80584	18-SEP-2010	17:05:16.313	17:07:20.222	123.90900
MM	80574	18-SEP-2010	00:49:41.351	00:50:50.241	68.890000
MM	80575	18-SEP-2010	02:32:14.024	02:39:31.402	437.37800
MM	80579	18-SEP-2010	09:19:17.306	09:20:24.857	67.551000
MM	80580	18-SEP-2010	10:59:27.023	11:00:43.473	76.450000
MM	80581	18-SEP-2010	12:39:23.296	12:40:38.083	74.787000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80574	18-SEP-2010	00:37:54.299	00:52:11.173	856.87400
KS	80574	18-SEP-2010	00:00:21.745	00:05:49.729	327.98400
BE	80575	18-SEP-2010	01:57:01.878	02:08:38.125	696.24700
SG	80575	18-SEP-2010	02:10:11.599	02:18:58.220	526.62100
BE	80576	18-SEP-2010	03:35:54.540	03:48:53.337	778.79700
MM	80576	18-SEP-2010	04:15:19.451	04:21:38.555	379.10400
SG	80576	18-SEP-2010	03:46:51.041	04:00:29.688	818.64700
CM	80576	18-SEP-2010	03:05:26.844	03:15:13.888	587.04400
CM	80576	18-SEP-2010	04:43:40.978	04:55:06.367	685.38900
MM	80577	18-SEP-2010	05:57:43.495	06:03:42.497	359.00200
JO	80578	18-SEP-2010	07:17:10.585	07:30:30.877	800.29200
JO	80579	18-SEP-2010	08:55:50.339	09:10:04.661	854.32200
HO	80582	18-SEP-2010	14:28:08.985	14:40:10.301	721.31600
SG	80582	18-SEP-2010	14:42:58.400	14:55:35.189	756.78900
BE	80583	18-SEP-2010	14:52:56.539	15:05:33.146	756.60700
MM	80583	18-SEP-2010	15:58:30.522	16:11:05.629	755.10700

GS	80583	18-SEP-2010	15:19:15.590	15:32:44.462	808.87200
SG	80583	18-SEP-2010	16:22:31.134	16:34:15.218	704.08400
CM	80583	18-SEP-2010	15:29:03.736	15:38:56.439	592.70300
MM	80584	18-SEP-2010	17:37:41.972	17:50:13.845	751.87300
GS	80584	18-SEP-2010	16:58:49.728	17:11:38.514	768.78600
CM	80584	18-SEP-2010	17:07:34.582	17:18:53.432	678.85000
MM	80585	18-SEP-2010	19:16:51.213	19:29:30.543	759.33000
JO	80585	18-SEP-2010	19:37:14.051	19:49:39.950	745.89900
MM	80586	18-SEP-2010	20:56:19.625	21:09:03.093	763.46800
JO	80586	18-SEP-2010	21:15:35.061	21:30:11.367	876.30600
HO	80587	18-SEP-2010	22:28:52.388	22:41:06.923	734.53500
MM	80587	18-SEP-2010	22:36:30.260	22:48:51.494	741.23400
MA	80587	18-SEP-2010	21:34:46.502	21:47:38.590	772.08800

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## 1.5 - List of corrupted products

Station	Orbit	Time
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## 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 Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK

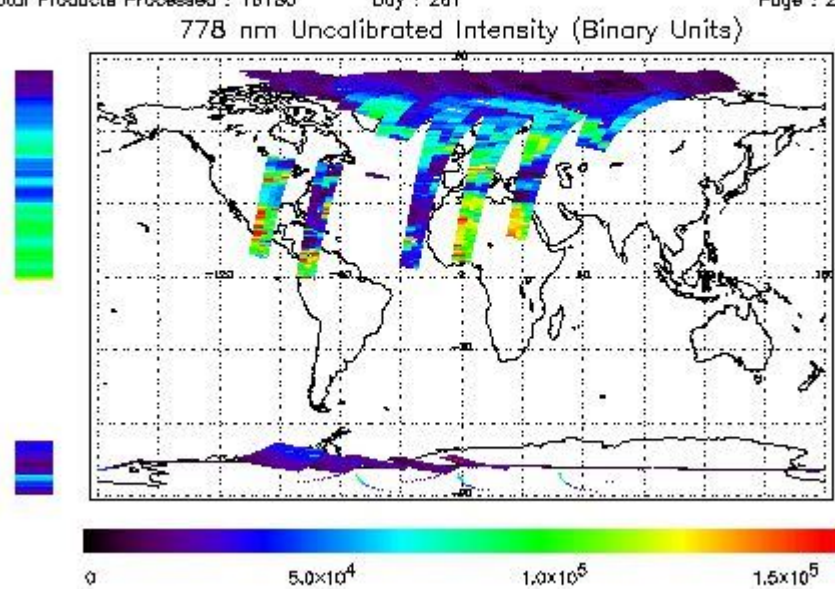
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 17-SEP-2010 23:45:49.842 : ORBIT : 80574.0160  
 Last Product : 18-SEP-2010 23:38:09.112 : ORBIT : 80588.2540  
 Total Products Processed : 16180 Day : 261 Page : 21

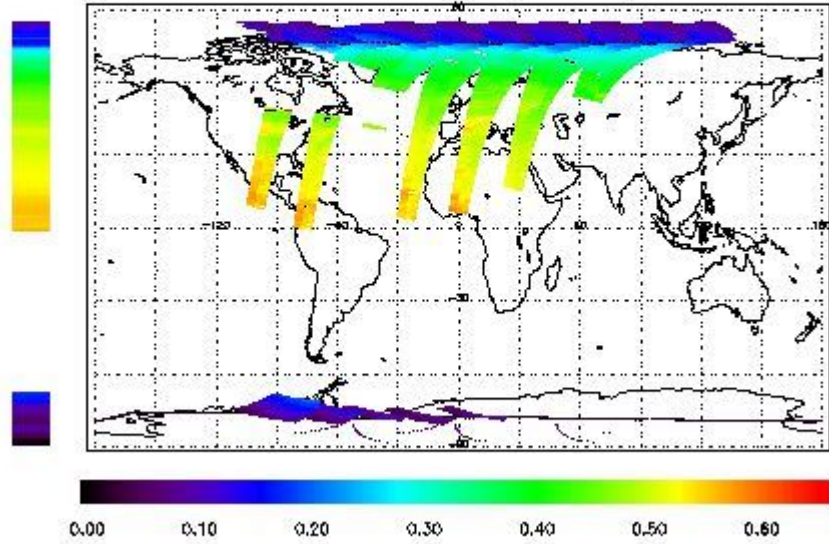


### Ozone Line Ratio

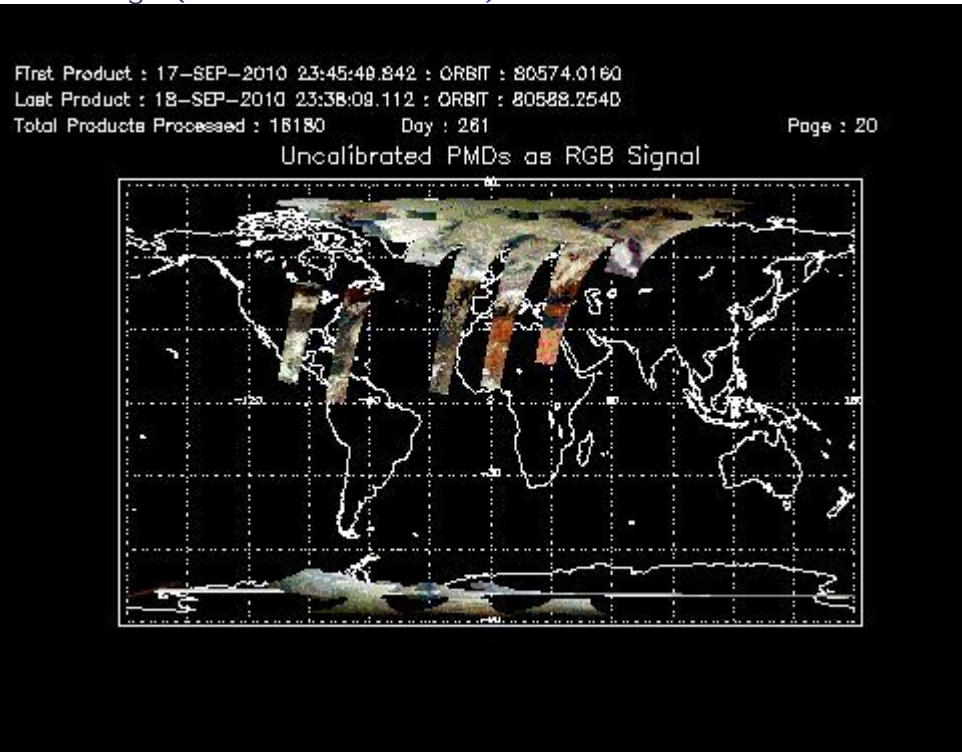
First Product : 17-SEP-2010 23:45:40.842 : ORBIT : 80574.0160  
 Last Product : 18-SEP-2010 23:38:09.112 : ORBIT : 80588.2540  
 Total Products Processed : 18180 Day : 261

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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	18:33:40.248	--	80585	Yes	--	15071

#### 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
--	--	--

### 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
--	--	--	--	--

### 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