

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-SEP-2010
Start Time of First Product	01:17:07
Stop Time of Last Product	23:21:04
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_100909GSEP4596.E2	09-SEP-2010	01:17:06.761
EGOI_100909GSEP4628.E2	09-SEP-2010	02:54:17.851
EGOI_100909GSEP4652.E2	09-SEP-2010	04:36:19.976
EGOI_100909GSEP4659.E2	09-SEP-2010	06:18:26.602
EGOI_100909HLEP7609.E2	09-SEP-2010	14:21:44.545
EGOI_100909HLEP7615.E2	09-SEP-2010	22:14:45.930
EGOI_100909KSEP4199.E2	09-SEP-2010	06:35:58.199
EGOI_100909KSEP4218.E2	09-SEP-2010	08:15:57.313
EGOI_100909KSEP4264.E2	09-SEP-2010	11:35:10.527

EGOI_100909KSEP4293.E2	09-SEP-2010	13:14:12.633
EGOI_100909KSEP4304.E2	09-SEP-2010	14:52:58.240
EGOI_100909KSEP4331.E2	09-SEP-2010	16:30:36.331
EGOI_100909KSEP4361.E2	09-SEP-2010	18:08:35.434
EGOI_100909KSEP4392.E2	09-SEP-2010	19:46:51.033
EGOI_100909KSEP4414.E2	09-SEP-2010	21:27:24.640
EGOI_100909KSEP4433.E2	09-SEP-2010	23:10:17.770
EGOI_100909MAEP6852.E2	09-SEP-2010	08:24:21.363
EGOI_100909MAEP6885.E2	09-SEP-2010	21:19:44.093
EGOI_100909MIEP0382.E2	09-SEP-2010	02:50:25.325
EGOI_100909MIEP0399.E2	09-SEP-2010	04:30:21.438
EGOI_100909MMEP4646.E2	09-SEP-2010	02:15:32.618
EGOI_100909MMEP4653.E2	09-SEP-2010	03:58:19.739
EGOI_100909MMEP4660.E2	09-SEP-2010	05:40:41.364
EGOI_100909MMEP4669.E2	09-SEP-2010	07:22:17.977
EGOI_100909MMEP4677.E2	09-SEP-2010	09:04:24.598
EGOI_100909MMEP4684.E2	09-SEP-2010	10:43:32.708
EGOI_100909MMEP4690.E2	09-SEP-2010	12:23:28.813
EGOI_100909MSEP8851.E2	09-SEP-2010	10:10:50.519
EGOI_100909MSEP8880.E2	09-SEP-2010	11:48:03.105
EGOI_100909MSEP8902.E2	09-SEP-2010	13:29:41.232
EGOI_100909MSEP8917.E2	09-SEP-2010	21:21:48.608
EGOI_100909MSEP8949.E2	09-SEP-2010	22:56:52.191
EGOI_100909SGEP8026.E2	09-SEP-2010	01:57:29.507
EGOI_100909SGEP8032.E2	09-SEP-2010	03:32:25.581
EGOI_100909SGEP8039.E2	09-SEP-2010	14:28:46.092
EGOI_100909SGEP8046.E2	09-SEP-2010	16:07:27.191

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80449	09-SEP-2010	06:34:30.566	06:35:58.198	87.632000
KS	80450	09-SEP-2010	08:13:45.941	08:15:57.313	131.37200
KS	80452	09-SEP-2010	11:32:55.074	11:35:10.526	135.45200
KS	80453	09-SEP-2010	13:12:03.587	13:14:12.632	129.04500
KS	80454	09-SEP-2010	14:50:43.085	14:52:58.240	135.15500
KS	80455	09-SEP-2010	16:28:22.199	16:30:36.331	134.13200
KS	80456	09-SEP-2010	18:06:09.647	18:08:35.433	145.78600
KS	80457	09-SEP-2010	19:45:04.253	19:46:51.032	106.77900
KS	80458	09-SEP-2010	21:25:44.116	21:27:24.640	100.52400
KS	80459	09-SEP-2010	23:08:51.587	23:10:17.770	86.183000
GS	80446	09-SEP-2010	01:15:32.133	01:17:06.761	94.628000

GS	80447	09-SEP-2010	02:52:43.378	02:54:17.850	94.472000
GS	80448	09-SEP-2010	04:34:45.471	04:36:19.975	94.504000
MS	80451	09-SEP-2010	10:08:38.764	10:10:50.519	131.75500
MS	80452	09-SEP-2010	11:45:49.137	11:48:03.104	133.96700
MS	80453	09-SEP-2010	13:27:40.107	13:29:41.231	121.12400
MS	80459	09-SEP-2010	22:55:06.207	22:56:52.190	105.98300
MA	80450	09-SEP-2010	08:22:51.462	08:24:21.363	89.901000
MA	80458	09-SEP-2010	21:17:25.250	21:19:44.093	138.84300
MI	80447	09-SEP-2010	02:48:26.577	02:50:25.324	118.74700
MI	80448	09-SEP-2010	04:28:21.465	04:30:21.438	119.97300
MM	80450	09-SEP-2010	09:02:05.576	09:04:24.597	139.02100
MM	80451	09-SEP-2010	10:42:17.746	10:43:32.708	74.962000
MM	80452	09-SEP-2010	12:22:16.342	12:23:28.813	72.471000
SG	80447	09-SEP-2010	03:29:44.375	03:32:25.580	161.20500
SG	80453	09-SEP-2010	14:26:40.287	14:28:46.092	125.80500
SG	80454	09-SEP-2010	16:04:56.855	16:07:27.191	150.33600

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80445	09-SEP-2010	00:20:34.116	00:35:12.186	878.07000
MM	80445	09-SEP-2010	00:32:12.608	00:43:12.274	659.66600
HO	80446	09-SEP-2010	02:04:47.918	02:12:07.012	439.09400
BE	80447	09-SEP-2010	03:18:46.593	03:32:04.958	798.36500
CM	80447	09-SEP-2010	02:49:38.512	02:57:17.353	458.84100
CM	80447	09-SEP-2010	04:26:17.348	04:38:24.999	727.65100
JO	80449	09-SEP-2010	07:00:55.358	07:13:02.433	727.07500
JO	80450	09-SEP-2010	08:38:30.066	08:53:16.636	886.57000
KS	80451	09-SEP-2010	09:53:23.291	10:07:20.522	837.23100
MA	80451	09-SEP-2010	10:01:25.953	10:14:28.644	782.69100
MA	80452	09-SEP-2010	11:42:55.032	11:49:28.173	393.14100
BE	80453	09-SEP-2010	12:57:21.426	13:08:49.662	688.23600
MM	80453	09-SEP-2010	14:02:00.712	14:14:44.608	763.89600
SG	80453	09-SEP-2010	14:26:40.287	14:37:56.737	676.45000
BE	80454	09-SEP-2010	14:35:34.171	14:48:41.334	787.16300
MM	80454	09-SEP-2010	15:41:29.021	15:54:05.654	756.63300

MI	80454	09-SEP-2010	15:08:40.690	15:20:33.570	712.88000
GS	80454	09-SEP-2010	15:02:22.590	15:15:18.994	776.40400
CM	80454	09-SEP-2010	15:13:06.926	15:20:43.238	456.31200
MM	80455	09-SEP-2010	17:20:42.348	17:33:13.904	751.55600
MI	80455	09-SEP-2010	16:47:48.008	16:59:53.134	725.12600
GS	80455	09-SEP-2010	16:41:39.061	16:54:59.869	800.80800
CM	80455	09-SEP-2010	16:50:15.382	17:02:18.646	723.26400
MM	80456	09-SEP-2010	18:59:50.656	19:12:28.356	757.70000
GS	80456	09-SEP-2010	18:22:50.798	18:29:51.195	420.39700
JO	80456	09-SEP-2010	19:20:59.702	19:31:36.533	636.83100
MM	80457	09-SEP-2010	20:39:14.059	20:51:58.045	763.98600
MA	80457	09-SEP-2010	19:38:48.828	19:50:55.074	726.24600
JO	80457	09-SEP-2010	20:58:26.593	21:13:23.465	896.87200
HO	80458	09-SEP-2010	22:12:38.583	22:23:50.149	671.56600
MM	80458	09-SEP-2010	22:19:16.022	22:31:43.885	747.86300
JO	80458	09-SEP-2010	22:40:35.776	22:48:04.251	448.47500
HO	80459	09-SEP-2010	23:49:30.005	00:03:57.670	867.66500

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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 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

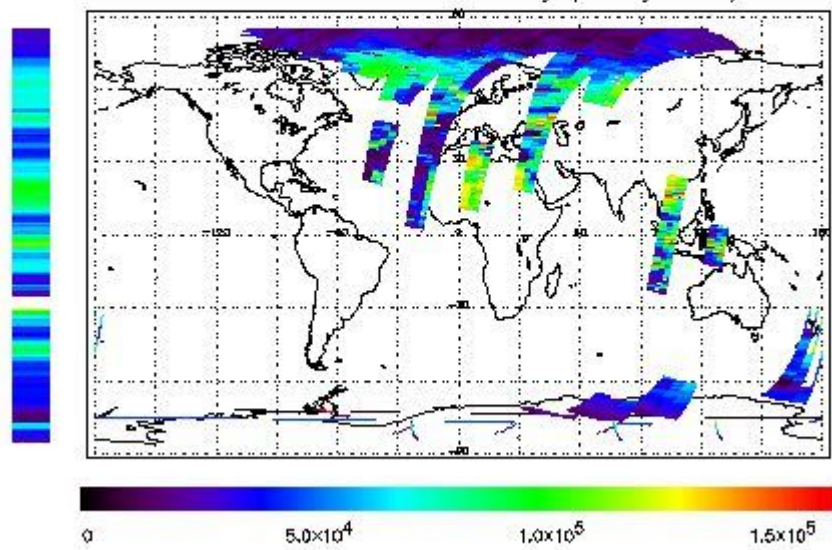
## 2.2 - Daily Plots

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

F1ret Product : 09-SEP-2010 01:17:06.761 : ORBIT : 80446.0948  
 Last Product : 09-SEP-2010 23:21:04.332 : ORBIT : 80459.2556  
 Total Products Processed : 16168 Day : 252 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

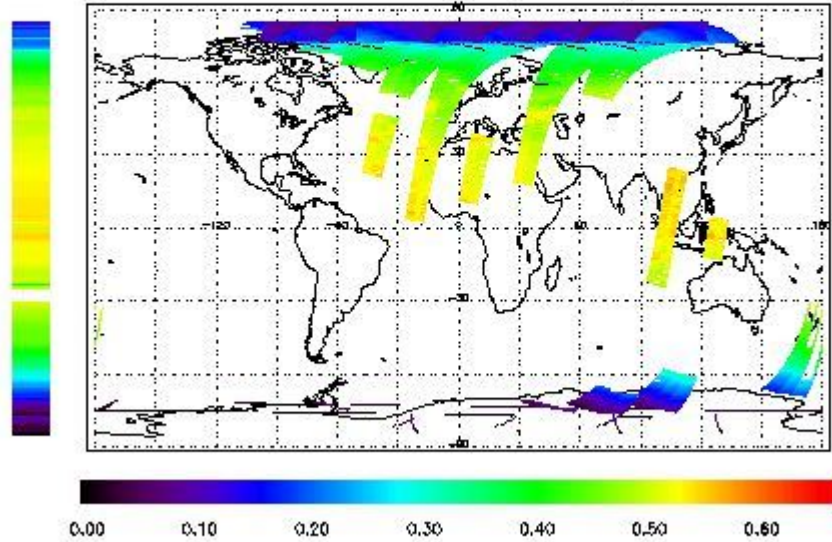


### Ozone Line Ratio

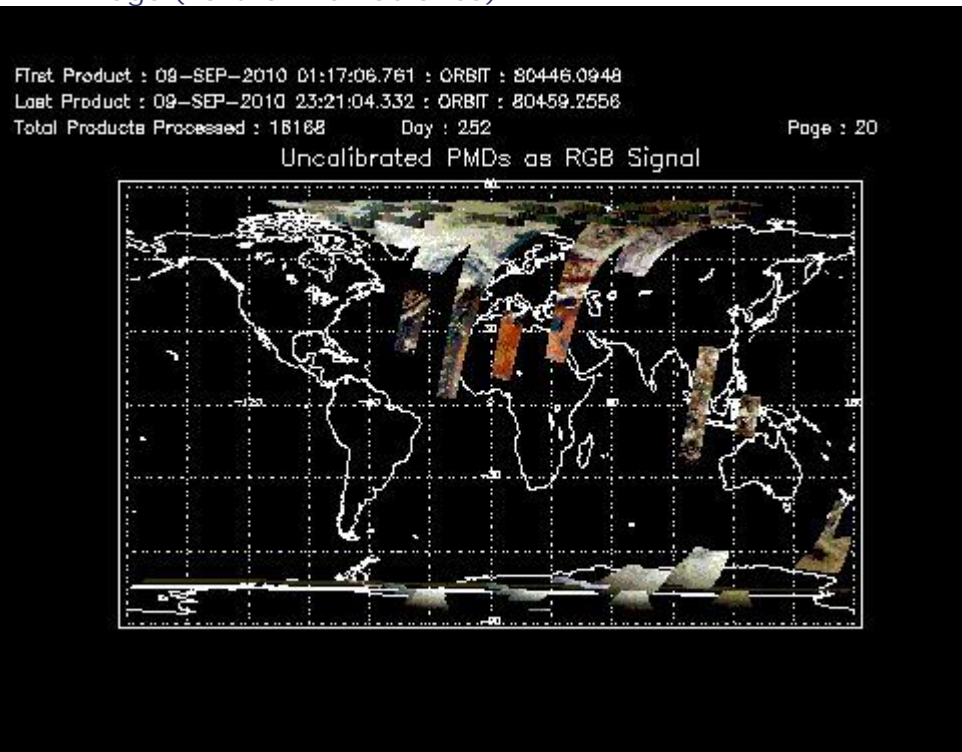
First Product : 09-SEP-2010 01:17:06.761 : ORBIT : 80446.0948  
 Last Product : 09-SEP-2010 23:21:04.332 : ORBIT : 80459.2556  
 Total Products Processed : 18188 Day : 252

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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	19:55:52.584	--	80457	Yes	--	14969

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

### 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