

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-SEP-2010
Start Time of First Product	00:09:06
Stop Time of Last Product	23:50:32
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100930GSEP6089.E2	30-SEP-2010	01:55:42.347
EGOI_100930GSEP6120.E2	30-SEP-2010	03:34:29.458
EGOI_100930GSEP6129.E2	30-SEP-2010	05:17:21.081
EGOI_100930HLEP7864.E2	30-SEP-2010	01:08:19.557
EGOI_100930HLEP7874.E2	30-SEP-2010	22:57:08.075
EGOI_100930KSEP9501.E2	30-SEP-2010	07:15:51.809
EGOI_100930KSEP9519.E2	30-SEP-2010	08:55:52.421
EGOI_100930KSEP9540.E2	30-SEP-2010	10:35:32.028
EGOI_100930KSEP9566.E2	30-SEP-2010	12:14:56.634

EGOI_100930KSEP9594.E2	30-SEP-2010	13:53:55.742
EGOI_100930KSEP9619.E2	30-SEP-2010	15:32:12.849
EGOI_100930KSEP9648.E2	30-SEP-2010	17:09:41.945
EGOI_100930KSEP9679.E2	30-SEP-2010	18:47:45.544
EGOI_100930KSEP9703.E2	30-SEP-2010	20:26:53.651
EGOI_100930KSEP9731.E2	30-SEP-2010	22:08:27.274
EGOI_100930MAEP7723.E2	30-SEP-2010	09:03:11.959
EGOI_100930MAEP7732.E2	30-SEP-2010	10:43:02.075
EGOI_100930MAEP7755.E2	30-SEP-2010	20:20:04.112
EGOI_100930MAEP7776.E2	30-SEP-2010	22:00:30.227
EGOI_100930MIEP2025.E2	30-SEP-2010	01:54:27.343
EGOI_100930MIEP2050.E2	30-SEP-2010	03:31:29.439
EGOI_100930MIEP2071.E2	30-SEP-2010	05:13:19.557
EGOI_100930MIEP2081.E2	30-SEP-2010	15:49:59.451
EGOI_100930MIEP2103.E2	30-SEP-2010	17:31:01.570
EGOI_100930MMEP5786.E2	30-SEP-2010	01:14:15.092
EGOI_100930MMEP5793.E2	30-SEP-2010	02:56:42.719
EGOI_100930MMEP5801.E2	30-SEP-2010	04:39:25.350
EGOI_100930MMEP5810.E2	30-SEP-2010	06:21:33.473
EGOI_100930MMEP5821.E2	30-SEP-2010	14:43:08.044
EGOI_100930MMEP5828.E2	30-SEP-2010	16:22:46.155
EGOI_100930MMEP5834.E2	30-SEP-2010	18:02:57.266
EGOI_100930MMEP5840.E2	30-SEP-2010	21:21:04.480
EGOI_100930MMEP5848.E2	30-SEP-2010	23:00:59.099
EGOI_100930MSEP1293.E2	30-SEP-2010	00:09:05.697
EGOI_100930MSEP1316.E2	30-SEP-2010	10:49:12.614
EGOI_100930MSEP1344.E2	30-SEP-2010	12:28:17.717
EGOI_100930MSEP1370.E2	30-SEP-2010	21:58:55.715
EGOI_100930MSEP1400.E2	30-SEP-2010	23:37:02.318
EGOI_100930SGEP8451.E2	30-SEP-2010	02:36:51.598
EGOI_100930SGEP8456.E2	30-SEP-2010	04:17:56.717
EGOI_100930SGEP8461.E2	30-SEP-2010	15:08:35.204
EGOI_100930SGEP8466.E2	30-SEP-2010	16:55:02.851

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80750	30-SEP-2010	07:14:06.287	07:15:51.808	105.52100
KS	80751	30-SEP-2010	08:53:36.394	08:55:52.421	136.02700
KS	80752	30-SEP-2010	10:33:13.623	10:35:32.028	138.40500
KS	80753	30-SEP-2010	12:12:38.363	12:14:56.634	138.27100
KS	80754	30-SEP-2010	13:51:32.989	13:53:55.741	142.75200
KS	80755	30-SEP-2010	15:29:40.273	15:32:12.848	152.57500

KS	80756	30-SEP-2010	17:07:22.242	17:09:41.944	139.70200
KS	80757	30-SEP-2010	18:45:33.288	18:47:45.543	132.25500
KS	80758	30-SEP-2010	20:25:05.508	20:26:53.650	108.14200
KS	80759	30-SEP-2010	22:06:38.175	22:08:27.274	109.09900
KS	80760	30-SEP-2010	23:51:09.330	23:52:29.412	80.082000
GS	80747	30-SEP-2010	01:53:51.977	01:55:42.347	110.37000
GS	80748	30-SEP-2010	03:32:50.704	03:34:29.458	98.754000
MS	80746	30-SEP-2010	00:07:04.287	00:09:05.696	121.40900
MS	80752	30-SEP-2010	10:46:51.042	10:49:12.613	141.57100
MS	80753	30-SEP-2010	12:25:52.585	12:28:17.717	145.13200
MS	80759	30-SEP-2010	21:57:13.107	21:58:55.715	102.60800
MS	80760	30-SEP-2010	23:34:58.679	23:37:02.317	123.63800
MA	80752	30-SEP-2010	10:41:16.590	10:43:02.075	105.48500
MA	80758	30-SEP-2010	20:17:34.840	20:20:04.111	149.27100
MA	80759	30-SEP-2010	21:58:48.611	22:00:30.226	101.61500
MI	80747	30-SEP-2010	01:52:29.211	01:54:27.343	118.13200
MI	80748	30-SEP-2010	03:27:35.616	03:31:29.439	233.82300
MI	80749	30-SEP-2010	05:11:27.399	05:13:19.557	112.15800
MI	80755	30-SEP-2010	15:47:46.656	15:49:59.451	132.79500
MI	80756	30-SEP-2010	17:28:57.439	17:31:01.570	124.13100
MM	80746	30-SEP-2010	01:13:02.612	01:14:15.092	72.480000
MM	80754	30-SEP-2010	14:41:50.039	14:43:08.044	78.005000
MM	80755	30-SEP-2010	16:21:11.840	16:22:46.155	94.315000
MM	80756	30-SEP-2010	18:00:21.344	18:02:57.266	155.92200
MM	80758	30-SEP-2010	21:19:09.016	21:21:04.479	115.46300
MM	80759	30-SEP-2010	22:59:32.008	23:00:59.099	87.091000
SG	80747	30-SEP-2010	02:31:24.674	02:36:51.597	326.92300
SG	80748	30-SEP-2010	04:09:58.003	04:17:56.716	478.71300
SG	80754	30-SEP-2010	15:05:07.370	15:08:35.203	207.83300

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80746	30-SEP-2010	01:01:10.968	01:14:35.849	804.88100
KS	80746	30-SEP-2010	00:25:42.627	00:27:23.583	100.95600
BE	80747	30-SEP-2010	02:19:21.777	02:32:03.907	762.13000

BE	80748	30-SEP-2010	03:58:51.493	04:11:03.558	732.06500
CM	80748	30-SEP-2010	03:27:10.197	03:38:37.226	687.02900
CM	80748	30-SEP-2010	05:07:20.386	05:16:57.326	576.94000
MM	80750	30-SEP-2010	08:01:49.875	08:10:18.832	508.95700
JO	80750	30-SEP-2010	07:39:11.657	07:53:35.768	864.11100
MM	80751	30-SEP-2010	09:42:12.203	09:52:52.119	639.91600
JO	80751	30-SEP-2010	09:19:17.254	09:32:14.264	777.01000
MM	80752	30-SEP-2010	11:22:18.788	11:34:23.377	724.58900
MM	80753	30-SEP-2010	13:02:11.899	13:14:52.031	760.13200
HO	80754	30-SEP-2010	14:51:19.938	15:01:02.251	582.31300
GS	80754	30-SEP-2010	14:04:17.489	14:12:37.034	499.54500
SG	80754	30-SEP-2010	15:05:07.370	15:18:43.647	816.27700
BE	80755	30-SEP-2010	15:16:24.769	15:27:51.535	686.76600
GS	80755	30-SEP-2010	15:41:52.422	15:55:44.411	831.98900
CM	80755	30-SEP-2010	15:50:58.362	16:02:31.733	693.37100
GS	80756	30-SEP-2010	17:21:48.513	17:33:37.440	708.92700
CM	80756	30-SEP-2010	17:31:01.013	17:40:32.877	571.86400
MM	80757	30-SEP-2010	19:39:32.858	19:52:14.215	761.35700
MA	80757	30-SEP-2010	18:44:46.007	18:48:51.800	245.79300
JO	80757	30-SEP-2010	19:59:17.786	20:13:14.488	836.70200
JO	80758	30-SEP-2010	21:38:36.361	21:52:18.395	822.03400
HO	80759	30-SEP-2010	22:50:51.278	23:04:01.986	790.70800

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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

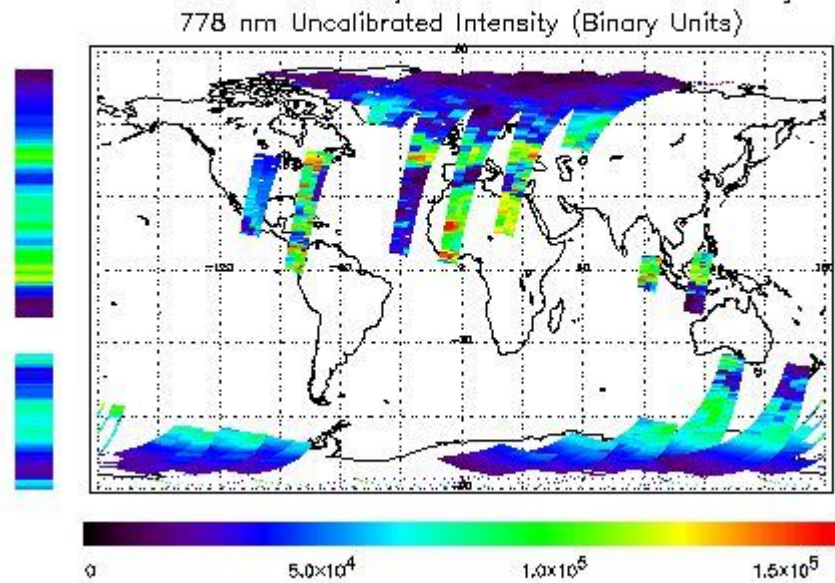
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical 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

First Product : 30-SEP-2010 00:09:05.697 : ORBIT : 80746.0187  
 Last Product : 30-SEP-2010 23:50:32.400 : ORBIT : 80760.1486  
 Total Products Processed : 19345 Day : 273 Page : 21

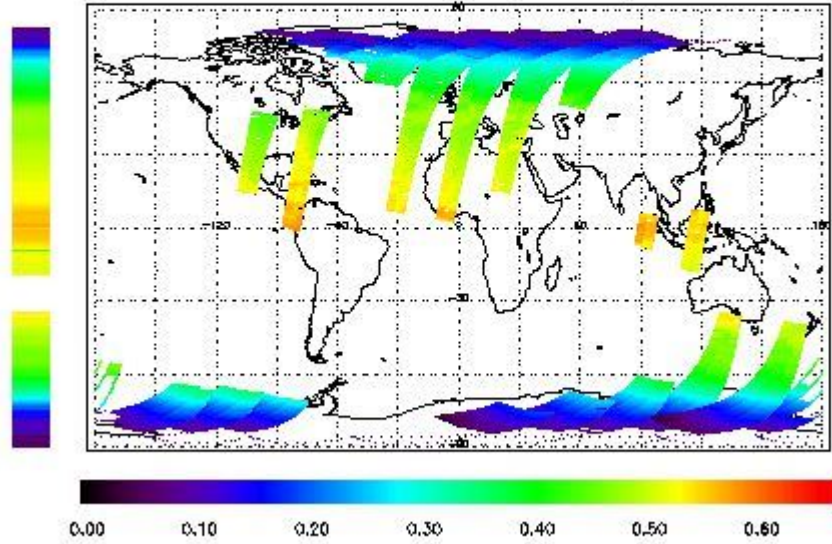


### Ozone Line Ratio

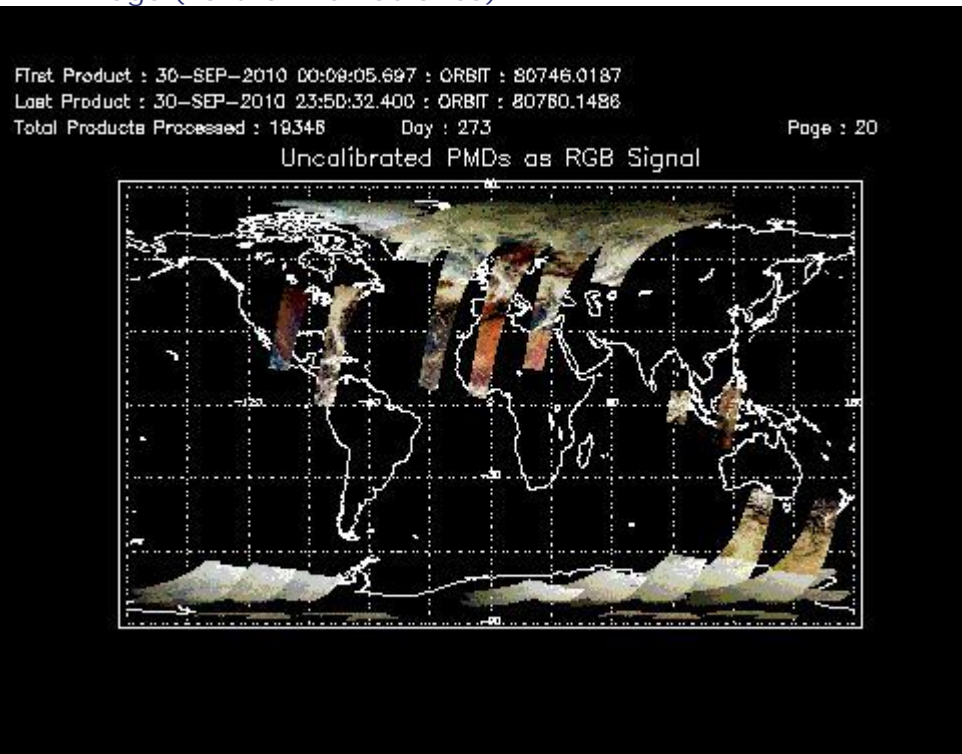
First Product : 30-SEP-2010 00:09:05.697 : ORBIT : 80746.0187  
 Last Product : 30-SEP-2010 23:50:32.400 : ORBIT : 80760.1486  
 Total Products Processed : 19346 Day : 273

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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	15:36:54.876	--	80755	Yes	--	15191

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

### 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