

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-AUG-2010
Start Time of First Product	00:02:58
Stop Time of Last Product	23:44:40
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100823GSEP3436.E2	23-AUG-2010	01:49:59.132
EGOI_100823GSEP3465.E2	23-AUG-2010	03:28:28.233
EGOI_100823GSEP3473.E2	23-AUG-2010	05:24:00.441
EGOI_100823HLEP7138.E2	23-AUG-2010	14:53:26.422
EGOI_100823HLEP7144.E2	23-AUG-2010	22:47:15.818
EGOI_100823KSEP0012.E2	23-AUG-2010	15:26:28.125
EGOI_100823KSEP0014.E2	23-AUG-2010	13:48:00.522
EGOI_100823KSEP0041.E2	23-AUG-2010	17:03:54.224
EGOI_100823KSEP0072.E2	23-AUG-2010	18:41:53.321

EGOI_100823KSEP0097.E2	23-AUG-2010	20:20:58.430
EGOI_100823KSEP0124.E2	23-AUG-2010	22:02:36.548
EGOI_100823KSEP9924.E2	23-AUG-2010	07:09:58.089
EGOI_100823KSEP9944.E2	23-AUG-2010	08:49:55.702
EGOI_100823KSEP9970.E2	23-AUG-2010	10:29:36.805
EGOI_100823KSEP9996.E2	23-AUG-2010	12:09:02.919
EGOI_100823MAEP5987.E2	23-AUG-2010	08:57:18.245
EGOI_100823MAEP6001.E2	23-AUG-2010	10:37:05.354
EGOI_100823MAEP6025.E2	23-AUG-2010	20:14:16.382
EGOI_100823MAEP6042.E2	23-AUG-2010	21:54:24.496
EGOI_100823MMEP3488.E2	23-AUG-2010	01:08:09.378
EGOI_100823MMEP3495.E2	23-AUG-2010	02:50:35.507
EGOI_100823MMEP3505.E2	23-AUG-2010	07:56:47.874
EGOI_100823MMEP3512.E2	23-AUG-2010	09:37:27.492
EGOI_100823MMEP3520.E2	23-AUG-2010	11:17:43.102
EGOI_100823MMEP3527.E2	23-AUG-2010	12:57:33.217
EGOI_100823MSEP6933.E2	23-AUG-2010	00:02:58.482
EGOI_100823MSEP6954.E2	23-AUG-2010	10:43:30.895
EGOI_100823MSEP6982.E2	23-AUG-2010	12:22:19.498
EGOI_100823MSEP7004.E2	23-AUG-2010	21:53:30.490
EGOI_100823MSEP7022.E2	23-AUG-2010	23:31:17.589
EGOI_100823SGEP7611.E2	23-AUG-2010	02:28:06.862
EGOI_100823SGEP7617.E2	23-AUG-2010	04:06:10.460
EGOI_100823SGEP7624.E2	23-AUG-2010	15:02:45.980
EGOI_100823SGEP7631.E2	23-AUG-2010	16:42:46.591

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80211	23-AUG-2010	15:24:04.925	15:26:28.124	143.19900
KS	80210	23-AUG-2010	13:45:54.169	13:48:00.521	126.35200
KS	80212	23-AUG-2010	17:01:47.065	17:03:54.224	127.15900
KS	80213	23-AUG-2010	18:39:54.883	18:41:53.321	118.43800
KS	80214	23-AUG-2010	20:19:21.351	20:20:58.429	97.078000
KS	80215	23-AUG-2010	22:00:46.054	22:02:36.547	110.49300
KS	80206	23-AUG-2010	07:08:26.112	07:09:58.089	91.977000
KS	80207	23-AUG-2010	08:47:54.813	08:49:55.702	120.88900
KS	80208	23-AUG-2010	10:27:32.243	10:29:36.805	124.56200
KS	80209	23-AUG-2010	12:06:58.165	12:09:02.918	124.75300
KS	80216	23-AUG-2010	23:45:03.261	23:46:16.177	72.916000
GS	80203	23-AUG-2010	01:48:20.584	01:49:59.132	98.548000

GS	80204	23-AUG-2010	03:27:03.983	03:28:28.232	84.249000
MS	80202	23-AUG-2010	00:01:10.535	00:02:58.481	107.94600
MS	80208	23-AUG-2010	10:41:22.007	10:43:30.895	128.88800
MS	80209	23-AUG-2010	12:20:09.511	12:22:19.498	129.98700
MS	80215	23-AUG-2010	21:51:51.566	21:53:30.490	98.924000
MS	80216	23-AUG-2010	23:29:13.236	23:31:17.589	124.35300
MA	80208	23-AUG-2010	10:35:32.500	10:37:05.354	92.854000
MA	80214	23-AUG-2010	20:11:59.715	20:14:16.381	136.66600
MA	80215	23-AUG-2010	21:52:54.123	21:54:24.495	90.372000
MM	80208	23-AUG-2010	11:16:35.912	11:17:43.101	67.189000
MM	80209	23-AUG-2010	12:56:29.820	12:57:33.216	63.396000
SG	80203	23-AUG-2010	02:26:01.547	02:28:06.862	125.31500
SG	80204	23-AUG-2010	04:04:09.140	04:06:10.460	121.32000
SG	80210	23-AUG-2010	14:59:32.893	15:02:45.979	193.08600
SG	80211	23-AUG-2010	16:40:25.429	16:42:46.591	141.16200

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80202	23-AUG-2010	00:55:21.545	01:09:00.231	818.68600
KS	80202	23-AUG-2010	00:19:08.033	00:22:13.761	185.72800
BE	80203	23-AUG-2010	02:13:45.563	02:26:14.534	748.97100
MI	80203	23-AUG-2010	01:47:35.463	01:52:38.099	302.63600
BE	80204	23-AUG-2010	03:53:06.529	04:05:32.594	746.06500
MM	80204	23-AUG-2010	04:32:58.070	04:39:02.177	364.10700
MI	80204	23-AUG-2010	03:21:56.220	03:35:17.941	801.72100
CM	80204	23-AUG-2010	03:21:41.266	03:32:48.808	667.54200
CM	80204	23-AUG-2010	05:01:21.802	05:11:32.944	611.14200
MM	80205	23-AUG-2010	06:15:08.126	06:21:20.438	372.31200
MI	80205	23-AUG-2010	05:04:57.307	05:11:37.215	399.90800
JO	80206	23-AUG-2010	07:33:39.415	07:47:50.738	851.32300
JO	80207	23-AUG-2010	09:13:23.086	09:26:43.723	800.63700
HO	80208	23-AUG-2010	11:26:47.399	11:38:07.307	679.90800
HO	80209	23-AUG-2010	13:05:03.805	13:19:53.129	889.32400
HO	80210	23-AUG-2010	14:45:30.911	14:55:43.007	612.09600
MM	80210	23-AUG-2010	14:36:08.869	14:48:51.298	762.42900

GS	80210	23-AUG-2010	13:58:56.400	14:06:24.181	447.78100
SG	80210	23-AUG-2010	14:59:32.893	15:12:58.604	805.71100
BE	80211	23-AUG-2010	15:10:30.470	15:22:18.339	707.86900
MM	80211	23-AUG-2010	16:15:31.581	16:28:05.353	753.77200
MI	80211	23-AUG-2010	15:42:08.473	15:55:22.733	794.26000
GS	80211	23-AUG-2010	15:36:12.640	15:50:00.829	828.18900
CM	80211	23-AUG-2010	15:45:26.865	15:56:41.137	674.27200
MM	80212	23-AUG-2010	17:54:41.504	18:07:14.066	752.56200
MI	80212	23-AUG-2010	17:22:58.625	17:32:10.715	552.09000
GS	80212	23-AUG-2010	17:16:03.276	17:28:09.123	725.84700
CM	80212	23-AUG-2010	17:25:06.592	17:35:11.538	604.94600
MM	80213	23-AUG-2010	19:33:52.336	19:46:33.215	760.87900
JO	80213	23-AUG-2010	19:53:44.887	20:07:23.396	818.50900
MM	80214	23-AUG-2010	21:13:26.445	21:26:08.607	762.16200
JO	80214	23-AUG-2010	21:32:49.875	21:46:48.569	838.69400
HO	80215	23-AUG-2010	22:45:17.834	22:58:18.156	780.32200
MM	80215	23-AUG-2010	22:53:46.267	23:05:59.509	733.24200

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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	OK
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

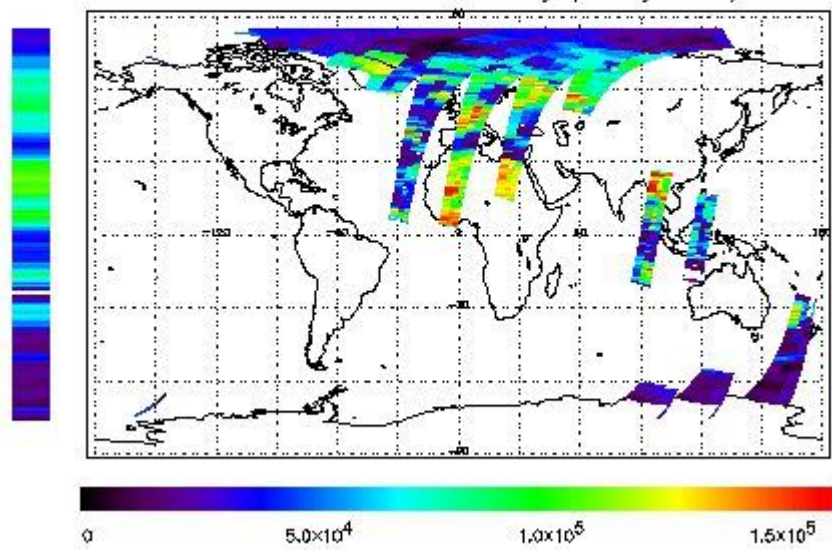
## 2.2 - Daily Plots

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 : 23-AUG-2010 00:02:58.482 : ORBIT : 80202.0150  
 Last Product : 23-AUG-2010 23:44:40.171 : ORBIT : 80216.1473  
 Total Products Processed : 16257 Day : 235 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

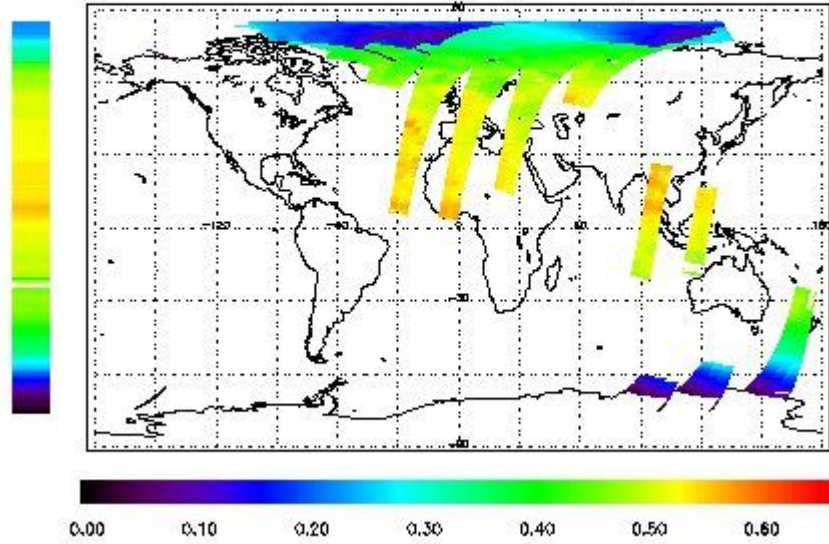


### Ozone Line Ratio

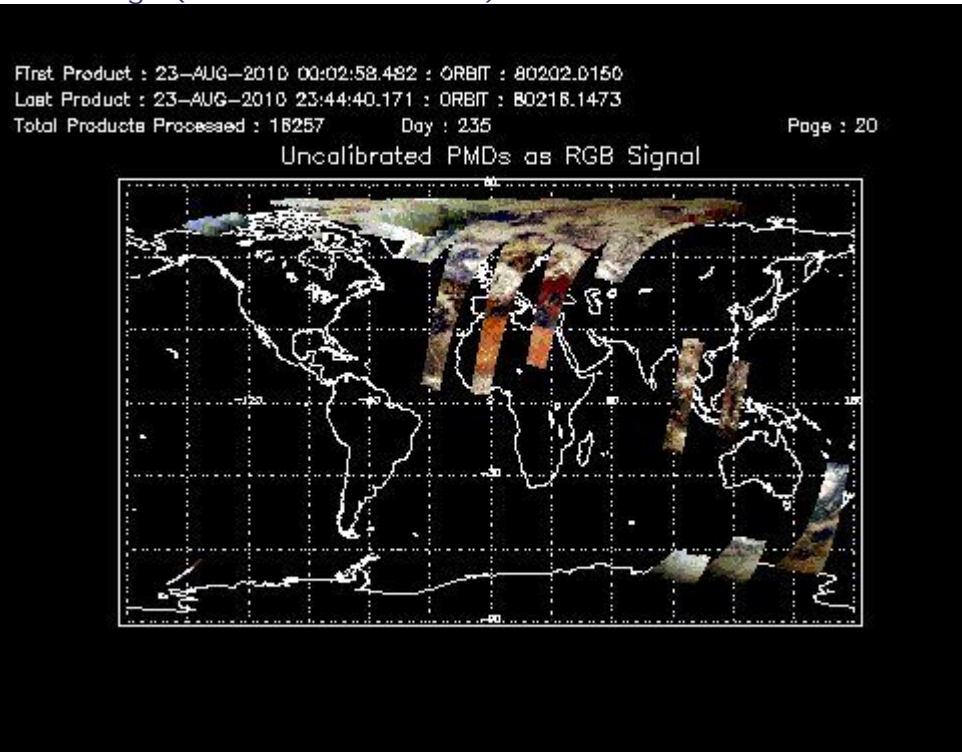
First Product : 23-AUG-2010 00:02:58.482 : ORBIT : 80202.0150  
 Last Product : 23-AUG-2010 23:44:40.171 : ORBIT : 80216.1473  
 Total Products Processed : 18257 Day : 235

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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)
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#### 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