

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-AUG-2010
Start Time of First Product	23:54:00
Stop Time of Last Product	23:46:17
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_100801GSEP1862.E2	01-AUG-2010	01:41:16.661
EGOI_100801GSEP1890.E2	01-AUG-2010	03:19:56.267
EGOI_100801GSEP1898.E2	01-AUG-2010	05:02:50.891
EGOI_100801HLEP6481.E2	01-AUG-2010	13:09:38.864
EGOI_100801HLEP6488.E2	01-AUG-2010	14:41:03.421
EGOI_100801KSEP4449.E2	01-AUG-2010	07:01:17.118
EGOI_100801KSEP4467.E2	01-AUG-2010	08:41:14.725
EGOI_100801KSEP4488.E2	01-AUG-2010	10:20:54.336
EGOI_100801KSEP4510.E2	01-AUG-2010	12:00:24.938

EGOI_100801KSEP4526.E2	01-AUG-2010	13:39:21.045
EGOI_100801KSEP4551.E2	01-AUG-2010	15:17:59.152
EGOI_100801KSEP4580.E2	01-AUG-2010	16:55:25.239
EGOI_100801KSEP4611.E2	01-AUG-2010	18:33:22.837
EGOI_100801KSEP4642.E2	01-AUG-2010	20:12:14.440
EGOI_100801KSEP4670.E2	01-AUG-2010	21:53:21.055
EGOI_100801KSEP4694.E2	01-AUG-2010	23:36:56.189
EGOI_100801MAEP5135.E2	01-AUG-2010	08:49:43.274
EGOI_100801MAEP5145.E2	01-AUG-2010	10:28:30.381
EGOI_100801MAEP5167.E2	01-AUG-2010	20:05:54.904
EGOI_100801MIEP7746.E2	01-AUG-2010	01:41:57.165
EGOI_100801MIEP7768.E2	01-AUG-2010	03:15:17.236
EGOI_100801MIEP7792.E2	01-AUG-2010	04:57:13.357
EGOI_100801MIEP7811.E2	01-AUG-2010	15:35:29.254
EGOI_100801MIEP7834.E2	01-AUG-2010	17:15:50.864
EGOI_100801MMEP2316.E2	01-AUG-2010	00:59:14.904
EGOI_100801MMEP2319.E2	01-AUG-2010	02:41:36.529
EGOI_100801MMEP2328.E2	01-AUG-2010	07:47:57.901
EGOI_100801MMEP2336.E2	01-AUG-2010	09:28:40.516
EGOI_100801MMEP2344.E2	01-AUG-2010	11:08:53.125
EGOI_100801MSEP4384.E2	31-JUL-2010	23:53:59.508
EGOI_100801MSEP4404.E2	01-AUG-2010	10:35:07.923
EGOI_100801MSEP4433.E2	01-AUG-2010	12:13:31.021
EGOI_100801MSEP4459.E2	01-AUG-2010	21:45:16.508
EGOI_100801MSEP4491.E2	01-AUG-2010	23:22:17.099

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79891	01-AUG-2010	06:59:56.240	07:01:17.117	80.877000
KS	79892	01-AUG-2010	08:39:22.484	08:41:14.725	112.24100
KS	79893	01-AUG-2010	10:19:00.105	10:20:54.336	114.23100
KS	79894	01-AUG-2010	11:58:27.688	12:00:24.937	117.24900
KS	79895	01-AUG-2010	13:37:27.034	13:39:21.044	114.01000
KS	79896	01-AUG-2010	15:15:45.518	15:17:59.151	133.63300
KS	79897	01-AUG-2010	16:53:24.458	16:55:25.238	120.78000
KS	79898	01-AUG-2010	18:31:27.763	18:33:22.837	115.07400
KS	79899	01-AUG-2010	20:10:45.835	20:12:14.440	88.605000
KS	79900	01-AUG-2010	21:51:58.868	21:53:21.055	82.187000
GS	79888	01-AUG-2010	01:40:05.195	01:41:16.661	71.466000
GS	79889	01-AUG-2010	03:18:25.734	03:19:56.267	90.533000

MS	79887	31-JUL-2010	23:52:23.174	23:53:59.508	96.334000
MS	79893	01-AUG-2010	10:33:07.043	10:35:07.923	120.88000
MS	79894	01-AUG-2010	12:11:30.017	12:13:31.020	121.00300
MS	79901	01-AUG-2010	23:20:37.434	23:22:17.098	99.664000
MA	79892	01-AUG-2010	08:47:50.090	08:49:43.273	113.18300
MA	79893	01-AUG-2010	10:27:01.876	10:28:30.380	88.504000
MA	79899	01-AUG-2010	20:03:38.755	20:05:54.903	136.14800
MI	79889	01-AUG-2010	03:13:29.455	03:15:17.236	107.78100
MI	79890	01-AUG-2010	04:55:32.517	04:57:13.357	100.84000
MI	79896	01-AUG-2010	15:33:42.904	15:35:29.254	106.35000
MI	79897	01-AUG-2010	17:14:05.274	17:15:50.864	105.59000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79887	01-AUG-2010	00:46:36.605	01:00:36.379	839.77400
KS	79887	01-AUG-2010	00:09:39.763	00:14:06.320	266.55700
BE	79888	01-AUG-2010	02:05:22.706	02:17:27.973	725.26700
SG	79888	01-AUG-2010	02:18:02.262	02:28:05.597	603.33500
BE	79889	01-AUG-2010	03:44:30.009	03:57:14.134	764.12500
MM	79889	01-AUG-2010	04:24:08.952	04:30:20.075	371.12300
SG	79889	01-AUG-2010	03:55:28.579	04:08:51.431	802.85200
CM	79889	01-AUG-2010	03:13:31.520	03:24:03.357	631.83700
CM	79889	01-AUG-2010	04:52:28.905	05:03:21.851	652.94600
MM	79890	01-AUG-2010	06:06:26.114	06:12:31.249	365.13500
JO	79891	01-AUG-2010	07:25:23.459	07:39:11.748	828.28900
JO	79892	01-AUG-2010	09:04:35.004	09:18:25.465	830.46100
HO	79893	01-AUG-2010	11:18:38.842	11:28:55.494	616.65200
HO	79894	01-AUG-2010	12:56:33.149	13:11:22.586	889.43700
MM	79894	01-AUG-2010	12:47:56.611	13:00:34.211	757.60000
HO	79895	01-AUG-2010	14:36:49.154	14:48:20.782	691.62800
MM	79895	01-AUG-2010	14:27:37.010	14:40:19.975	762.96500
SG	79895	01-AUG-2010	14:51:13.874	15:04:18.530	784.65600
BE	79896	01-AUG-2010	15:01:41.927	15:13:56.694	734.76700
MM	79896	01-AUG-2010	16:07:01.104	16:19:35.515	754.41100
GS	79896	01-AUG-2010	15:27:43.661	15:41:23.723	820.06200

SG	79896	01-AUG-2010	16:31:25.164	16:42:19.938	654.77400
CM	79896	01-AUG-2010	15:37:12.911	15:47:51.460	638.54900
MM	79897	01-AUG-2010	17:46:11.744	17:58:43.917	752.17300
GS	79897	01-AUG-2010	17:07:26.118	17:19:54.855	748.73700
CM	79897	01-AUG-2010	17:16:18.726	17:27:04.861	646.13500
MM	79898	01-AUG-2010	19:25:21.696	19:38:01.818	760.12200
JO	79898	01-AUG-2010	19:45:27.844	19:58:33.731	785.88700
MM	79899	01-AUG-2010	21:04:52.871	21:17:35.791	762.92000
JO	79899	01-AUG-2010	21:24:11.635	21:38:31.367	859.73200
HO	79900	01-AUG-2010	22:37:02.666	22:49:42.878	760.21200
MM	79900	01-AUG-2010	22:45:08.038	22:57:25.451	737.41300
MA	79900	01-AUG-2010	21:43:49.479	21:56:01.370	731.89100

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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

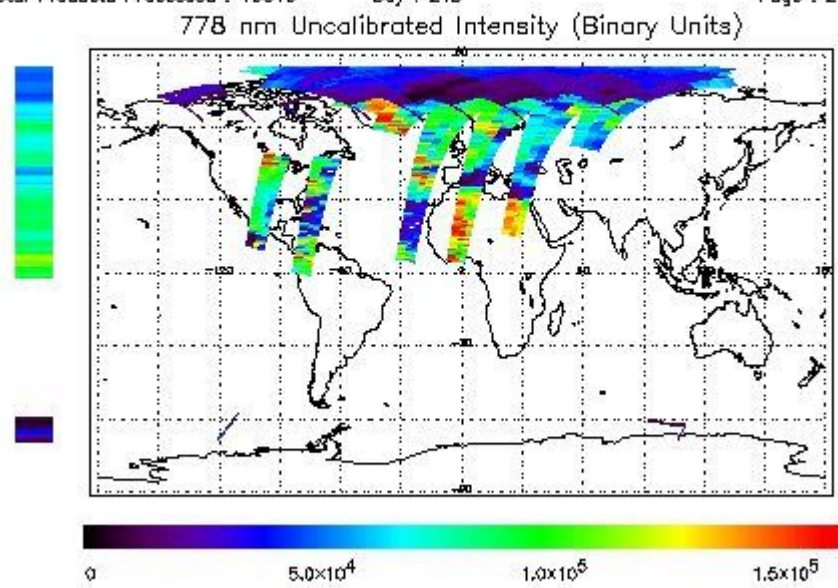
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

## 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 : 31-JUL-2010 23:53:59.508 : ORBIT : 79887.0114  
 Last Product : 01-AUG-2010 23:46:18.743 : ORBIT : 79901.2494  
 Total Products Processed : 18048 Day : 213 Page : 21

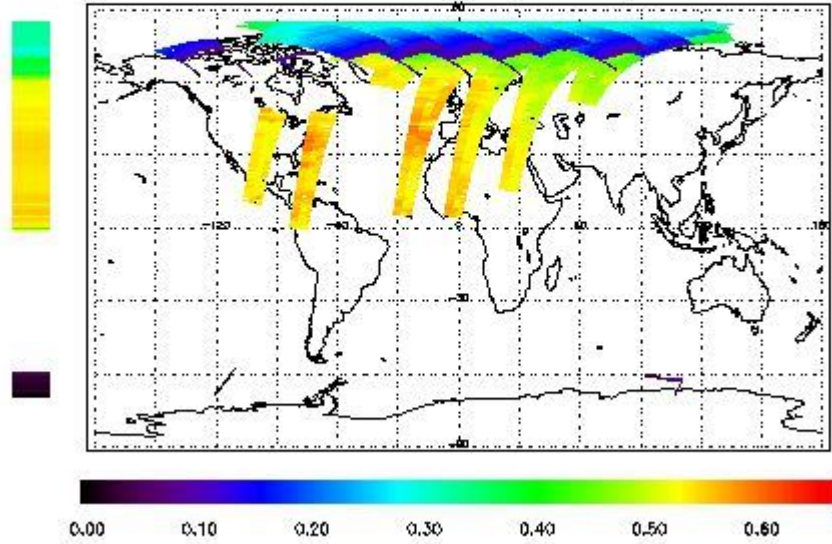


### Ozone Line Ratio

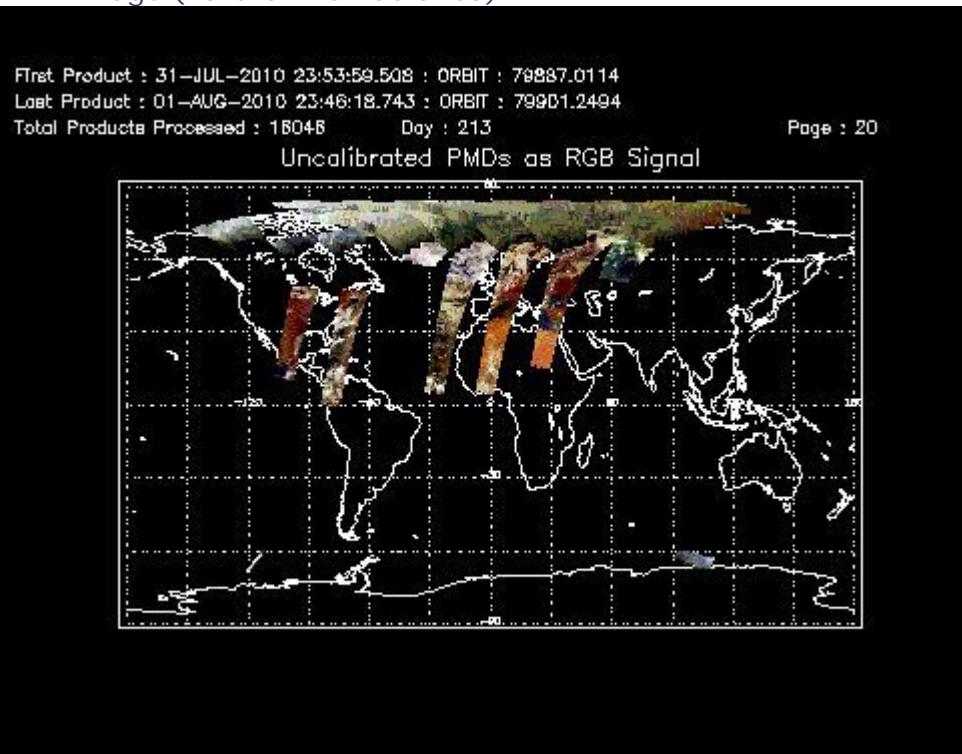
First Product : 31-JUL-2010 23:53:59.508 : ORBIT : 79887.0114  
 Last Product : 01-AUG-2010 23:46:18.743 : ORBIT : 79901.2494  
 Total Products Processed : 18048 Day : 213

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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	16:56:23.746	--	79897	Yes	--	14700

#### 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
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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