

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-JUL-2010
Start Time of First Product	23:48:22 (17-Jul)
Stop Time of Last Product	23:18:09
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100718HLEP6075.E2	17-JUL-2010	23:48:21.818
EGOI_100718HLEP6083.E2	18-JUL-2010	13:38:07.375
EGOI_100718HLEP6094.E2	18-JUL-2010	15:19:06.489
EGOI_100718HLEP6102.E2	18-JUL-2010	23:17:27.400
EGOI_100718KSEP0870.E2	18-JUL-2010	07:40:56.192
EGOI_100718KSEP0890.E2	18-JUL-2010	09:20:58.301
EGOI_100718KSEP0915.E2	18-JUL-2010	11:00:36.408
EGOI_100718KSEP0944.E2	18-JUL-2010	12:39:53.514
EGOI_100718KSEP0971.E2	18-JUL-2010	14:18:49.617

EGOI_100718KSEP0999.E2	18-JUL-2010	15:56:36.715
EGOI_100718KSEP1028.E2	18-JUL-2010	17:34:34.310
EGOI_100718KSEP1060.E2	18-JUL-2010	19:12:21.405
EGOI_100718KSEP1091.E2	18-JUL-2010	20:52:16.015
EGOI_100718KSEP1118.E2	18-JUL-2010	22:34:21.138
EGOI_100718MAEP4677.E2	18-JUL-2010	09:28:47.847
EGOI_100718MAEP4687.E2	18-JUL-2010	11:08:19.955
EGOI_100718MIEP6575.E2	18-JUL-2010	02:17:27.227
EGOI_100718MIEP6589.E2	18-JUL-2010	03:55:38.325
EGOI_100718MIEP6606.E2	18-JUL-2010	14:37:48.238
EGOI_100718MIEP6622.E2	18-JUL-2010	16:14:59.328
EGOI_100718MMEP1514.E2	18-JUL-2010	01:39:41.997
EGOI_100718MMEP1521.E2	18-JUL-2010	03:22:38.126
EGOI_100718MMEP1530.E2	18-JUL-2010	10:08:25.590
EGOI_100718MMEP1540.E2	18-JUL-2010	11:49:03.709
EGOI_100718MMEP1548.E2	18-JUL-2010	13:28:31.312
EGOI_100718MSEP2778.E2	18-JUL-2010	00:35:14.604
EGOI_100718MSEP2789.E2	18-JUL-2010	11:13:42.491
EGOI_100718MSEP2813.E2	18-JUL-2010	12:53:43.101
EGOI_100718MSEP2846.E2	18-JUL-2010	22:22:58.571

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79691	18-JUL-2010	07:39:39.030	07:40:56.192	77.162000
KS	79692	18-JUL-2010	09:19:13.655	09:20:58.300	104.64500
KS	79693	18-JUL-2010	10:58:49.287	11:00:36.407	107.12000
KS	79694	18-JUL-2010	12:38:07.944	12:39:53.513	105.56900
KS	79695	18-JUL-2010	14:16:58.793	14:18:49.617	110.82400
KS	79696	18-JUL-2010	15:54:48.261	15:56:36.714	108.45300
KS	79697	18-JUL-2010	17:32:42.985	17:34:34.310	111.32500
KS	79698	18-JUL-2010	19:10:59.561	19:12:21.405	81.844000
KS	79699	18-JUL-2010	20:50:59.152	20:52:16.015	76.863000
KS	79700	18-JUL-2010	22:33:09.668	22:34:21.138	71.470000
MS	79687	18-JUL-2010	00:34:04.810	00:35:14.604	69.794000
MS	79693	18-JUL-2010	11:11:53.486	11:13:42.491	109.00500
MS	79694	18-JUL-2010	12:51:59.856	12:53:43.100	103.24400
MS	79700	18-JUL-2010	22:21:42.516	22:22:58.571	76.055000
MA	79692	18-JUL-2010	09:27:21.836	09:28:47.847	86.011000
MI	79688	18-JUL-2010	02:15:51.661	02:17:27.226	95.565000

MI	79689	18-JUL-2010	03:53:18.518	03:55:38.324	139.80600
MI	79689	18-JUL-2010	04:03:38.374	04:06:21.639	163.26500
MI	79695	18-JUL-2010	14:36:13.807	14:37:48.237	94.430000
MI	79696	18-JUL-2010	16:13:18.838	16:14:59.327	100.48900
MM	79693	18-JUL-2010	11:48:01.191	11:49:03.709	62.518000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79686	17-JUL-2010	23:46:41.147	00:01:06.908	865.76100
MM	79686	17-JUL-2010	23:57:20.932	00:08:52.222	691.29000
HO	79687	18-JUL-2010	01:27:36.482	01:39:37.588	721.10600
GS	79687	18-JUL-2010	00:43:25.573	00:51:35.803	490.23000
BE	79688	18-JUL-2010	02:44:42.660	02:58:01.417	798.75700
GS	79688	18-JUL-2010	02:19:53.495	02:32:29.097	755.60200
SG	79688	18-JUL-2010	02:56:04.401	03:09:18.751	794.35000
CM	79688	18-JUL-2010	03:52:10.772	04:04:29.723	738.95100
BE	79689	18-JUL-2010	04:24:50.999	04:35:38.350	647.35100
MM	79689	18-JUL-2010	05:05:13.937	05:11:01.993	348.05600
GS	79689	18-JUL-2010	03:59:04.244	04:11:33.798	749.55400
SG	79689	18-JUL-2010	04:36:30.703	04:47:01.989	631.28600
MM	79690	18-JUL-2010	06:46:57.543	06:53:43.505	405.96200
KS	79690	18-JUL-2010	06:00:56.057	06:06:04.013	307.95600
CM	79690	18-JUL-2010	05:35:14.636	05:40:19.320	304.68400
JO	79690	18-JUL-2010	06:29:27.687	06:37:19.849	472.16200
MM	79691	18-JUL-2010	08:27:40.463	08:36:46.100	545.63700
JO	79691	18-JUL-2010	08:04:21.442	08:19:19.693	898.25100
JO	79692	18-JUL-2010	09:46:18.586	09:56:38.898	620.31200
HO	79693	18-JUL-2010	11:57:24.818	12:10:38.136	793.31800
HO	79694	18-JUL-2010	13:36:22.914	13:50:57.621	874.70700
BE	79695	18-JUL-2010	14:01:18.841	14:14:42.897	804.05600
HO	79695	18-JUL-2010	15:17:38.211	15:25:29.830	471.61900
MM	79695	18-JUL-2010	15:07:24.621	15:20:04.482	759.86100
GS	79695	18-JUL-2010	14:28:54.356	14:39:54.514	660.15800
SG	79695	18-JUL-2010	15:30:28.627	15:44:21.026	832.39900
BE	79696	18-JUL-2010	15:43:23.804	15:52:33.440	549.63600

MM	79696	18-JUL-2010	16:46:42.499	16:59:14.566	752.06700
GS	79696	18-JUL-2010	16:07:25.546	16:21:19.628	834.08200
CM	79696	18-JUL-2010	16:16:07.374	16:28:28.681	741.30700
MM	79697	18-JUL-2010	18:25:50.730	18:38:25.368	754.63800
MI	79697	18-JUL-2010	17:57:47.009	17:58:53.167	66.158000
GS	79697	18-JUL-2010	17:47:47.677	17:58:01.923	614.24600
CM	79697	18-JUL-2010	17:58:21.429	18:03:46.810	325.38100
MM	79698	18-JUL-2010	20:05:06.264	20:17:49.396	763.13200
MA	79698	18-JUL-2010	19:08:33.314	19:15:54.622	441.30800
JO	79698	18-JUL-2010	20:24:28.115	20:39:17.290	889.17500
MM	79699	18-JUL-2010	21:44:52.555	21:57:29.906	757.35100
MA	79699	18-JUL-2010	20:42:54.085	20:56:36.207	822.12200
JO	79699	18-JUL-2010	22:04:47.372	22:16:43.867	716.49500
HO	79700	18-JUL-2010	23:15:43.074	23:29:47.270	844.19600
MM	79700	18-JUL-2010	23:25:30.400	23:37:25.223	714.82300
MA	79700	18-JUL-2010	22:26:36.304	22:34:29.669	473.36500

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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 Temperatures B	OK
Charge Amp Temperatures	OK

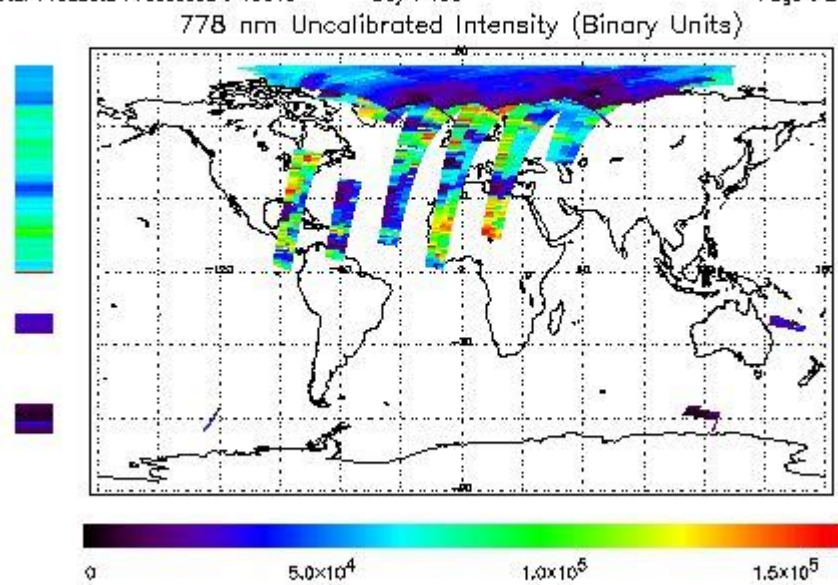
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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-JUL-2010 23:48:21.818 : ORBIT : 79686.5555  
 Last Product : 18-JUL-2010 23:18:09.407 : ORBIT : 79700.5695  
 Total Products Processed : 13010 Day : 199 Page : 21

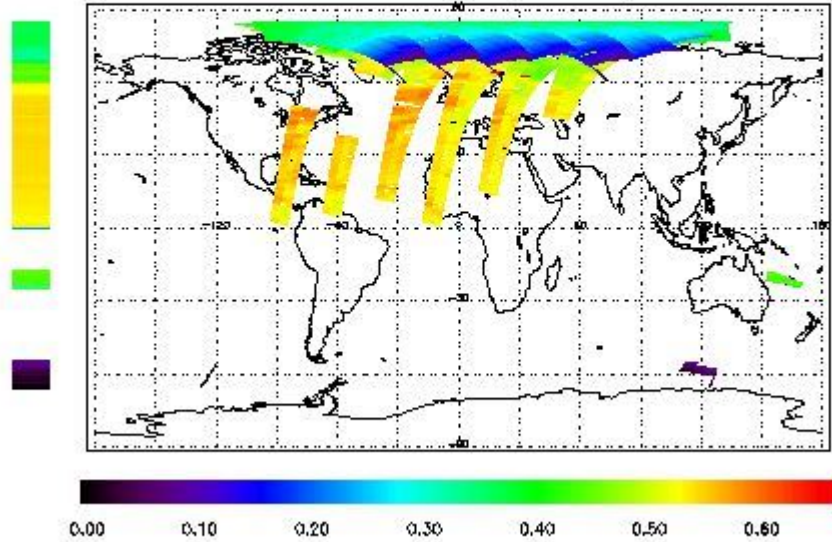


### Ozone Line Ratio

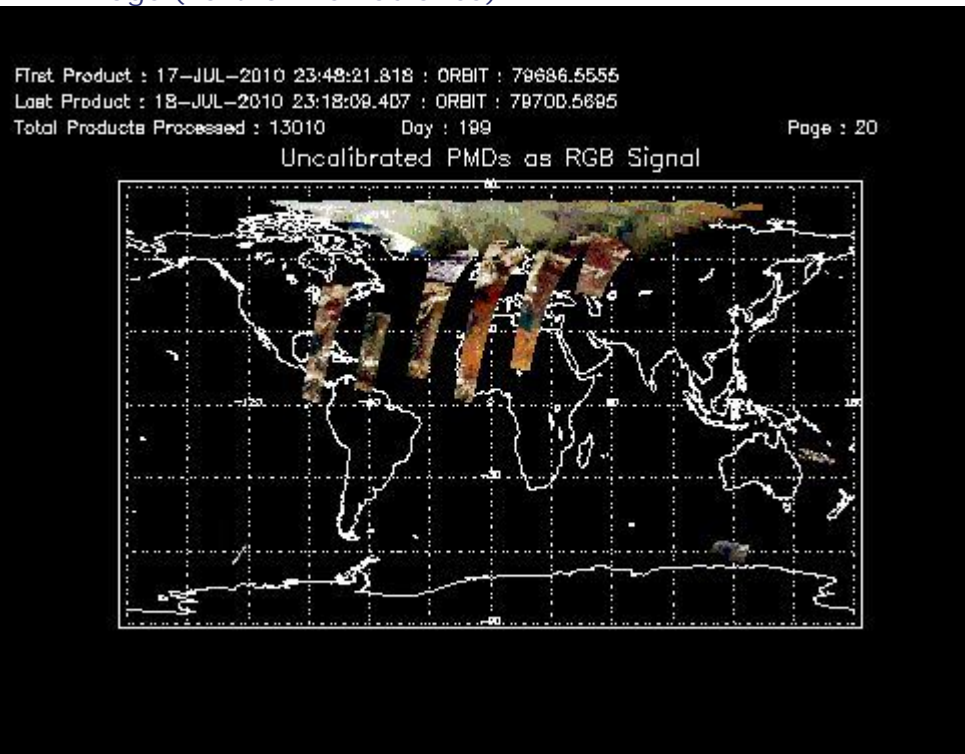
First Product : 17-JUL-2010 23:48:21.818 : ORBIT : 79686.5555  
 Last Product : 18-JUL-2010 23:18:09.407 : ORBIT : 79700.5695  
 Total Products Processed : 13010 Day : 199

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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	17:35:44.817	--	79696	Yes	--	14750

#### 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