

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-APR-2010
Start Time of First Product	00:26:48
Stop Time of Last Product	23:14:49
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100419BEEP2492.E2	19-APR-2010	03:14:46.091
EGOI_100419GSEP4453.E2	19-APR-2010	01:11:13.837
EGOI_100419GSEP4485.E2	19-APR-2010	02:48:05.435
EGOI_100419GSEP4513.E2	19-APR-2010	04:29:48.048
EGOI_100419GSEP4520.E2	19-APR-2010	06:12:06.677
EGOI_100419KSEP1524.E2	19-APR-2010	06:29:45.778
EGOI_100419KSEP1543.E2	19-APR-2010	08:09:41.893
EGOI_100419KSEP1567.E2	19-APR-2010	09:49:18.503
EGOI_100419KSEP1589.E2	19-APR-2010	11:28:56.614

EGOI_100419KSEP1606.E2	19-APR-2010	13:08:00.213
EGOI_100419KSEP1615.E2	19-APR-2010	14:46:47.316
EGOI_100419KSEP1630.E2	19-APR-2010	16:24:26.919
EGOI_100419KSEP1658.E2	19-APR-2010	18:02:32.014
EGOI_100419KSEP1679.E2	19-APR-2010	19:40:35.617
EGOI_100419KSEP1700.E2	19-APR-2010	21:21:04.727
EGOI_100419KSEP1724.E2	19-APR-2010	23:03:50.353
EGOI_100419MAEP1242.E2	19-APR-2010	08:17:59.948
EGOI_100419MAEP1260.E2	19-APR-2010	09:56:45.550
EGOI_100419MAEP1273.E2	19-APR-2010	19:35:16.082
EGOI_100419MAEP1289.E2	19-APR-2010	21:13:24.180
EGOI_100419MIEP0029.E2	19-APR-2010	16:43:28.528
EGOI_100419MIEP9945.E2	19-APR-2010	02:44:26.411
EGOI_100419MIEP9973.E2	19-APR-2010	04:23:55.517
EGOI_100419MIEP9999.E2	19-APR-2010	15:04:36.926
EGOI_100419MMEP6832.E2	19-APR-2010	00:26:48.066
EGOI_100419MMEP6840.E2	19-APR-2010	02:09:06.692
EGOI_100419MMEP6850.E2	19-APR-2010	10:37:14.292
EGOI_100419MMEP6858.E2	19-APR-2010	12:17:17.904
EGOI_100419MMEP6867.E2	19-APR-2010	15:36:19.121
EGOI_100419MMEP6877.E2	19-APR-2010	22:14:51.557
EGOI_100419MSEP2492.E2	19-APR-2010	10:04:54.599
EGOI_100419MSEP2518.E2	19-APR-2010	11:41:55.190
EGOI_100419MSEP2540.E2	19-APR-2010	13:23:15.308
EGOI_100419MSEP2554.E2	19-APR-2010	21:16:31.696
EGOI_100419MSEP2581.E2	19-APR-2010	22:50:42.775
EGOI_100419SGEP4991.E2	19-APR-2010	03:31:01.189
EGOI_100419SGEP4999.E2	19-APR-2010	05:08:07.782
EGOI_100419SGEP5004.E2	19-APR-2010	14:22:41.172
EGOI_100419SGEP5011.E2	19-APR-2010	16:01:04.274

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78403	19-APR-2010	08:08:04.612	08:09:41.893	97.281000
KS	78404	19-APR-2010	09:47:41.715	09:49:18.502	96.787000
KS	78405	19-APR-2010	11:27:14.276	11:28:56.613	102.33700
KS	78406	19-APR-2010	13:06:24.644	13:08:00.212	95.568000
KS	78407	19-APR-2010	14:45:06.040	14:46:47.315	101.27500
KS	78408	19-APR-2010	16:22:46.000	16:24:26.919	100.91900
KS	78409	19-APR-2010	18:00:34.579	18:02:32.013	117.43400
KS	78410	19-APR-2010	19:39:22.648	19:40:35.617	72.969000

KS	78411	19-APR-2010	21:19:55.495	21:21:04.726	69.231000
GS	78399	19-APR-2010	01:10:07.707	01:11:13.837	66.130000
GS	78400	19-APR-2010	02:47:03.041	02:48:05.435	62.394000
GS	78401	19-APR-2010	04:28:44.153	04:29:48.048	63.895000
MS	78405	19-APR-2010	11:40:10.127	11:41:55.190	105.06300
MS	78406	19-APR-2010	13:21:33.757	13:23:15.307	101.55000
MS	78412	19-APR-2010	22:49:29.174	22:50:42.775	73.601000
MA	78404	19-APR-2010	09:55:44.063	09:56:45.549	61.486000
MA	78410	19-APR-2010	19:33:20.531	19:35:16.081	115.55000
MA	78411	19-APR-2010	21:11:40.300	21:13:24.179	103.87900
MI	78408	19-APR-2010	16:42:00.858	16:43:28.528	87.670000
MI	78400	19-APR-2010	02:42:56.427	02:44:26.411	89.984000
MI	78401	19-APR-2010	04:22:26.558	04:23:55.517	88.959000
MI	78407	19-APR-2010	15:03:10.536	15:04:36.925	86.389000
MM	78411	19-APR-2010	22:13:31.657	22:14:51.557	79.900000
BE	78400	19-APR-2010	03:13:04.812	03:14:46.091	101.27900
SG	78400	19-APR-2010	03:24:04.568	03:31:01.188	416.62000
SG	78406	19-APR-2010	14:21:19.024	14:22:41.172	82.148000
SG	78407	19-APR-2010	15:59:08.749	16:01:04.273	115.52400

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78398	19-APR-2010	00:14:53.351	00:29:31.588	878.23700
HO	78399	19-APR-2010	01:58:12.896	02:06:52.471	519.57500
MM	78400	19-APR-2010	03:51:46.050	03:58:30.397	404.34700
CM	78400	19-APR-2010	02:44:32.021	02:51:09.982	397.96100
CM	78400	19-APR-2010	04:20:32.659	04:32:48.592	735.93300
BE	78401	19-APR-2010	04:54:04.274	05:02:21.705	497.43100
MM	78401	19-APR-2010	05:34:26.677	05:40:15.065	348.38800
MM	78402	19-APR-2010	07:15:48.179	07:23:11.650	443.47100
JO	78402	19-APR-2010	06:55:33.910	07:07:10.520	696.61000
MM	78403	19-APR-2010	08:56:21.551	09:06:06.025	584.47400
JO	78403	19-APR-2010	08:32:45.774	08:47:38.958	893.18400
MA	78405	19-APR-2010	11:37:06.350	11:44:17.140	430.79000
MM	78406	19-APR-2010	13:56:19.166	14:09:03.100	763.93400

SG	78406	19-APR-2010	14:21:19.024	14:31:59.529	640.50500
BE	78407	19-APR-2010	14:29:49.002	14:43:02.857	793.85500
GS	78407	19-APR-2010	14:56:46.009	15:09:28.272	762.26300
CM	78407	19-APR-2010	15:07:58.830	15:14:27.536	388.70600
MM	78408	19-APR-2010	17:15:02.437	17:27:33.972	751.53500
GS	78408	19-APR-2010	16:35:56.094	16:49:25.265	809.17100
CM	78408	19-APR-2010	16:44:31.344	16:56:43.900	732.55600
MM	78409	19-APR-2010	18:54:10.574	19:06:47.732	757.15800
GS	78409	19-APR-2010	18:16:57.031	18:24:37.769	460.73800
JO	78409	19-APR-2010	19:15:40.488	19:25:29.040	588.55200
MM	78410	19-APR-2010	20:33:32.465	20:46:16.467	764.00200
JO	78410	19-APR-2010	20:52:45.117	21:07:45.237	900.12000
HO	78411	19-APR-2010	22:07:17.691	22:18:02.331	644.64000
JO	78411	19-APR-2010	22:34:29.855	22:43:00.451	510.59600
HO	78412	19-APR-2010	23:43:52.513	23:58:16.071	863.55800

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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

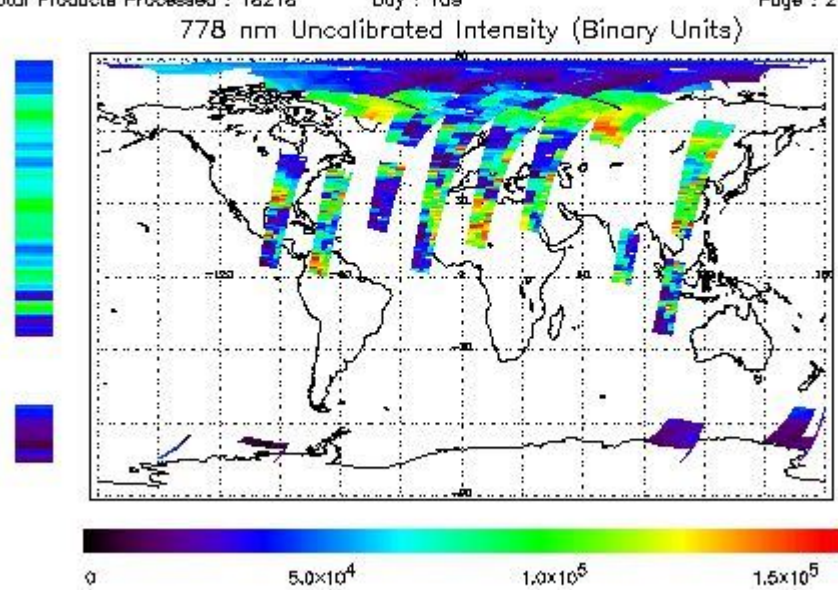
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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 : 19-APR-2010 00:26:48.066 : ORBIT : 78398.6518  
 Last Product : 19-APR-2010 23:14:48.915 : ORBIT : 78412.2506  
 Total Products Processed : 18218 Day : 109 Page : 21

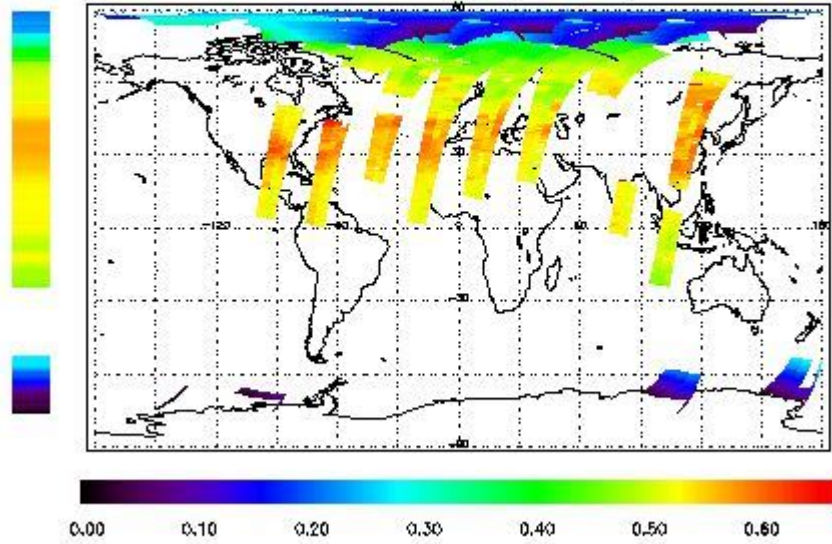


### Ozone Line Ratio

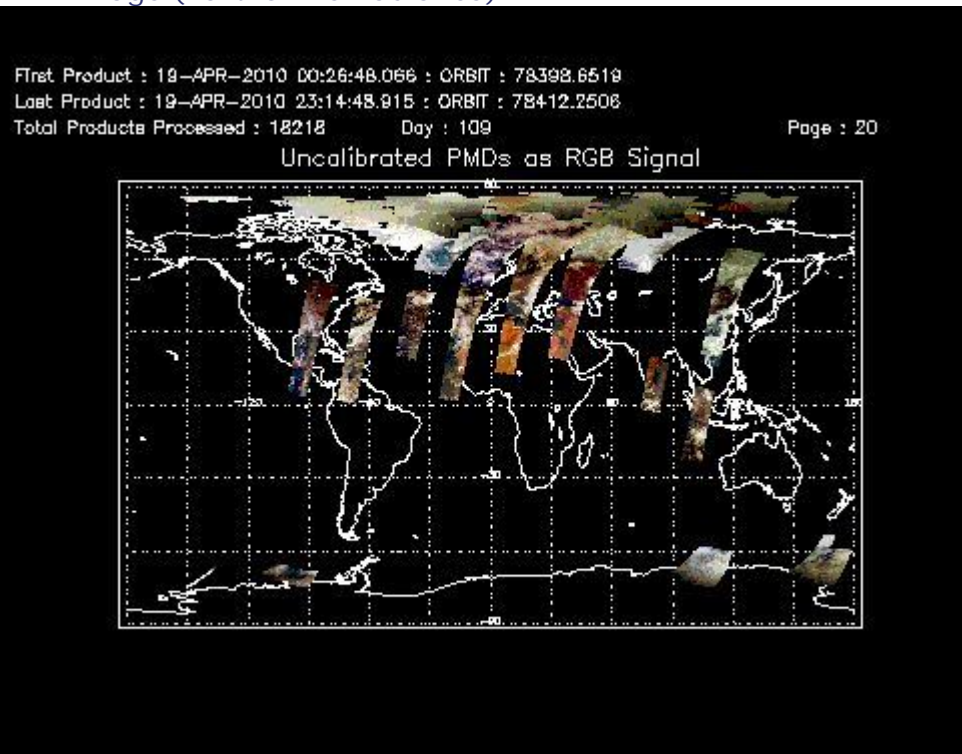
First Product : 19-APR-2010 00:26:48.066 : ORBIT : 78398.6519  
 Last Product : 19-APR-2010 23:14:48.915 : ORBIT : 78412.2506  
 Total Products Processed : 18218 Day : 109

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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	18:07:12.541	--	78409	Yes	--	15055

#### 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
07:00 10-Mar	--	77830	--

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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