

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-MAY-2010
Start Time of First Product	00:56:38
Stop Time of Last Product	23:06:10
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100502BEEP2615.E2	02-MAY-2010	14:22:47.457
EGOI_100502GSEP5457.E2	02-MAY-2010	01:02:54.568
EGOI_100502GSEP5489.E2	02-MAY-2010	02:39:31.157
EGOI_100502GSEP5517.E2	02-MAY-2010	04:20:48.275
EGOI_100502GSEP5525.E2	02-MAY-2010	06:03:02.400
EGOI_100502KSEP4651.E2	02-MAY-2010	06:21:07.009
EGOI_100502KSEP4669.E2	02-MAY-2010	08:01:00.128
EGOI_100502KSEP4687.E2	02-MAY-2010	09:40:38.230
EGOI_100502KSEP4717.E2	02-MAY-2010	11:20:13.341

EGOI_100502KSEP4746.E2	02-MAY-2010	12:59:24.448
EGOI_100502KSEP4757.E2	02-MAY-2010	14:38:13.055
EGOI_100502KSEP4769.E2	02-MAY-2010	16:15:54.154
EGOI_100502KSEP4797.E2	02-MAY-2010	17:53:59.253
EGOI_100502KSEP4829.E2	02-MAY-2010	19:31:55.348
EGOI_100502KSEP4860.E2	02-MAY-2010	21:12:12.462
EGOI_100502KSEP4877.E2	02-MAY-2010	22:54:49.093
EGOI_100502MAEP1786.E2	02-MAY-2010	08:09:58.683
EGOI_100502MAEP1800.E2	02-MAY-2010	09:48:06.777
EGOI_100502MIEP1310.E2	02-MAY-2010	04:14:58.739
EGOI_100502MIEP1337.E2	02-MAY-2010	14:56:19.165
EGOI_100502MIEP1366.E2	02-MAY-2010	16:34:46.763
EGOI_100502MMEP7629.E2	02-MAY-2010	03:43:03.048
EGOI_100502MMEP7636.E2	02-MAY-2010	05:25:24.669
EGOI_100502MMEP7645.E2	02-MAY-2010	07:07:08.796
EGOI_100502MMEP7653.E2	02-MAY-2010	08:48:04.913
EGOI_100502MMEP7661.E2	02-MAY-2010	10:28:29.529
EGOI_100502MMEP7671.E2	02-MAY-2010	18:46:59.577
EGOI_100502MMEP7681.E2	02-MAY-2010	22:06:12.792
EGOI_100502MSEP3990.E2	02-MAY-2010	00:56:38.032
EGOI_100502MSEP4005.E2	02-MAY-2010	09:56:48.830
EGOI_100502MSEP4029.E2	02-MAY-2010	11:33:17.921
EGOI_100502MSEP4053.E2	02-MAY-2010	13:14:05.039
EGOI_100502MSEP4087.E2	02-MAY-2010	22:42:11.514
EGOI_100502SGEP5319.E2	02-MAY-2010	04:58:42.505
EGOI_100502SGEP5324.E2	02-MAY-2010	14:14:26.406
EGOI_100502SGEP5331.E2	02-MAY-2010	15:52:07.505

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78589	02-MAY-2010	07:59:32.735	08:01:00.127	87.392000
KS	78590	02-MAY-2010	09:39:09.320	09:40:38.229	88.909000
KS	78591	02-MAY-2010	11:18:42.946	11:20:13.340	90.394000
KS	78592	02-MAY-2010	12:57:55.975	12:59:24.447	88.472000
KS	78593	02-MAY-2010	14:36:40.225	14:38:13.054	92.829000
KS	78594	02-MAY-2010	16:14:20.590	16:15:54.154	93.564000
KS	78595	02-MAY-2010	17:52:14.117	17:53:59.252	105.13500
KS	78596	02-MAY-2010	19:30:50.873	19:31:55.348	64.475000
GS	78587	02-MAY-2010	04:19:45.928	04:20:48.274	62.346000
MS	78591	02-MAY-2010	11:31:39.587	11:33:17.920	98.333000
MS	78592	02-MAY-2010	13:12:35.923	13:14:05.038	89.115000

MS	78598	02-MAY-2010	22:41:05.869	22:42:11.513	65.644000
MI	78587	02-MAY-2010	04:13:37.846	04:14:58.739	80.893000
MI	78593	02-MAY-2010	14:54:58.635	14:56:19.165	80.530000
MI	78594	02-MAY-2010	16:33:21.959	16:34:46.762	84.803000
MM	78595	02-MAY-2010	18:45:40.533	18:46:59.576	79.043000
MM	78597	02-MAY-2010	22:04:55.456	22:06:12.791	77.335000
BE	78593	02-MAY-2010	14:21:13.263	14:22:47.457	94.194000
BE	78593	02-MAY-2010	14:25:23.471	14:34:34.143	550.67200
SG	78592	02-MAY-2010	14:13:23.182	14:14:26.406	63.224000
SG	78593	02-MAY-2010	15:50:29.282	15:52:07.504	98.222000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78584	02-MAY-2010	00:06:25.021	00:21:00.591	875.57000
MM	78584	02-MAY-2010	00:17:40.129	00:28:53.724	673.59500
HO	78585	02-MAY-2010	01:48:58.530	01:58:53.225	594.69500
MM	78585	02-MAY-2010	01:59:54.552	02:09:10.284	555.73200
BE	78586	02-MAY-2010	03:04:32.963	03:17:57.851	804.88800
MI	78586	02-MAY-2010	02:34:44.139	02:46:27.485	703.34600
SG	78586	02-MAY-2010	03:15:37.140	03:29:25.113	827.97300
CM	78586	02-MAY-2010	02:37:11.045	02:41:41.275	270.23000
CM	78586	02-MAY-2010	04:11:58.377	04:24:21.799	743.42200
BE	78587	02-MAY-2010	04:45:15.029	04:54:25.657	550.62800
JO	78588	02-MAY-2010	06:47:35.882	06:58:19.702	643.82000
JO	78589	02-MAY-2010	08:24:11.518	08:39:11.027	899.50900
JO	78590	02-MAY-2010	10:08:17.578	10:14:45.647	388.06900
MM	78591	02-MAY-2010	12:08:00.226	12:20:26.508	746.28200
MA	78591	02-MAY-2010	11:28:24.912	11:36:24.448	479.53600
HO	78592	02-MAY-2010	13:56:25.430	14:10:23.665	838.23500
MM	78592	02-MAY-2010	13:47:46.749	14:00:30.606	763.85700
SG	78592	02-MAY-2010	14:13:23.182	14:22:58.094	574.91200
MM	78593	02-MAY-2010	15:27:17.418	15:39:55.398	757.98000
GS	78593	02-MAY-2010	14:48:22.352	15:00:39.884	737.53200
CM	78593	02-MAY-2010	15:00:41.799	15:04:38.459	236.66000
BE	78594	02-MAY-2010	16:05:11.997	16:11:05.738	353.74100

MM	78594	02-MAY-2010	17:06:32.528	17:19:04.114	751.58600
GS	78594	02-MAY-2010	16:27:22.181	16:41:01.778	819.59700
CM	78594	02-MAY-2010	16:35:57.338	16:48:19.046	741.70800
GS	78595	02-MAY-2010	18:08:09.438	18:16:43.416	513.97800
JO	78595	02-MAY-2010	19:07:49.976	19:16:08.744	498.76800
MM	78596	02-MAY-2010	20:25:00.304	20:37:44.202	763.89800
MA	78596	02-MAY-2010	19:27:03.329	19:36:24.602	561.27300
JO	78596	02-MAY-2010	20:44:14.169	20:59:15.808	901.63900
MA	78597	02-MAY-2010	21:03:00.740	21:16:26.904	806.16400
JO	78597	02-MAY-2010	22:25:28.735	22:35:15.632	586.89700
HO	78598	02-MAY-2010	23:35:21.110	23:49:44.160	863.05000

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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

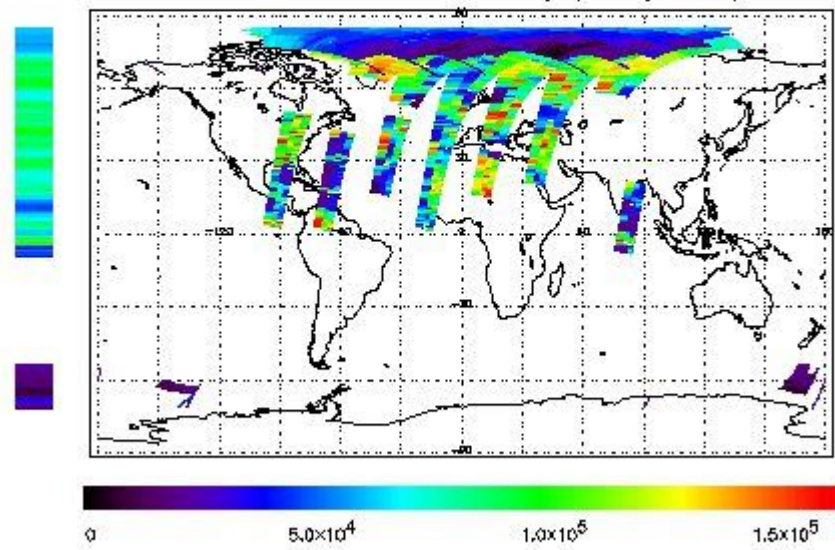
## 2.2 - Daily Plots

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 : 02-MAY-2010 00:56:38.032 : ORBIT : 78585.0341  
 Last Product : 02-MAY-2010 23:06:10.158 : ORBIT : 78598.2503  
 Total Products Processed : 18384 Day : 122 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

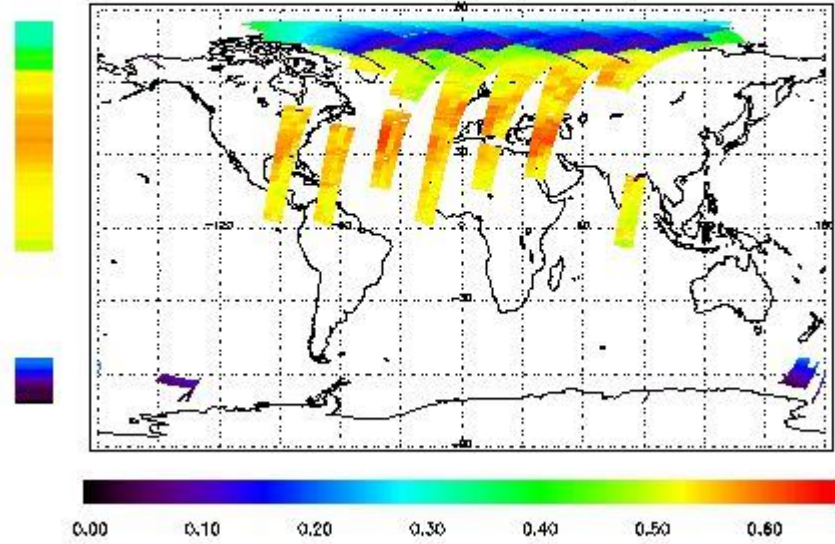


### Ozone Line Ratio

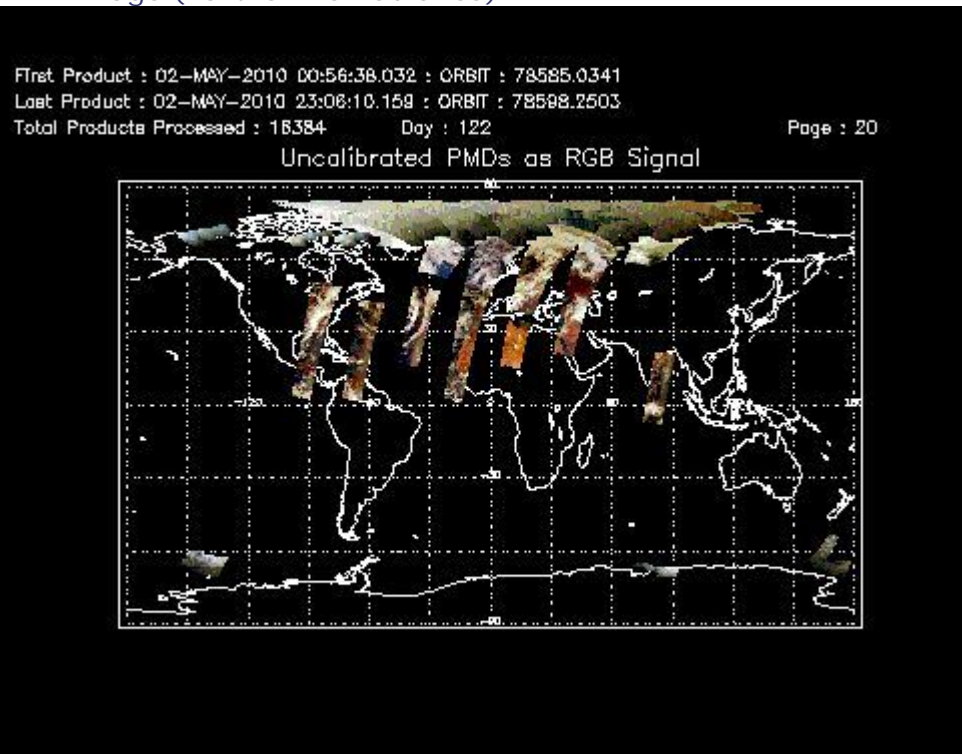
First Product : 02-MAY-2010 00:56:38.032 : ORBIT : 78585.0341  
 Last Product : 02-MAY-2010 23:06:10.159 : ORBIT : 78598.2503  
 Total Products Processed : 18384 Day : 122

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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	17:57:17	--	78595	Yes	--	14659

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

### 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