

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-APR-2010
Start Time of First Product	23:40:54 (29-Apr)
Stop Time of Last Product	22:29:13
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100430BEEP2589.E2	30-APR-2010	02:29:19.472
EGOI_100430BEEP2595.E2	30-APR-2010	04:08:56.081
EGOI_100430CMEP7707.E2	30-APR-2010	03:37:48.388
EGOI_100430CMEP7717.E2	30-APR-2010	05:19:56.517
EGOI_100430GSEP5321.E2	30-APR-2010	02:03:04.316
EGOI_100430GSEP5352.E2	30-APR-2010	03:42:33.421
EGOI_100430GSEP5361.E2	30-APR-2010	05:25:20.550
EGOI_100430KSEP4205.E2	30-APR-2010	07:23:37.772
EGOI_100430KSEP4224.E2	30-APR-2010	09:03:36.891

EGOI_100430KSEP4246.E2	30-APR-2010	10:43:18.002
EGOI_100430KSEP4271.E2	30-APR-2010	12:22:38.105
EGOI_100430KSEP4289.E2	30-APR-2010	14:01:37.211
EGOI_100430KSEP4314.E2	30-APR-2010	15:39:43.819
EGOI_100430KSEP4333.E2	30-APR-2010	17:17:26.409
EGOI_100430KSEP4363.E2	30-APR-2010	18:55:19.512
EGOI_100430KSEP4394.E2	30-APR-2010	20:34:42.619
EGOI_100430KSEP4422.E2	30-APR-2010	22:16:28.242
EGOI_100430MAEP1718.E2	30-APR-2010	09:10:53.434
EGOI_100430MAEP1732.E2	30-APR-2010	10:50:49.541
EGOI_100430MIEP1077.E2	30-APR-2010	02:01:22.304
EGOI_100430MIEP1106.E2	30-APR-2010	03:37:37.890
EGOI_100430MIEP1123.E2	30-APR-2010	05:22:43.034
EGOI_100430MIEP1139.E2	30-APR-2010	14:22:08.836
EGOI_100430MIEP1157.E2	30-APR-2010	15:57:39.421
EGOI_100430MIEP1180.E2	30-APR-2010	17:39:19.046
EGOI_100430MMEP7503.E2	29-APR-2010	23:40:54.437
EGOI_100430MMEP7511.E2	30-APR-2010	01:22:14.562
EGOI_100430MMEP7518.E2	30-APR-2010	03:04:43.687
EGOI_100430MMEP7526.E2	30-APR-2010	04:47:24.816
EGOI_100430MMEP7538.E2	30-APR-2010	11:31:24.291
EGOI_100430MMEP7544.E2	30-APR-2010	14:50:43.515
EGOI_100430MMEP7551.E2	30-APR-2010	19:49:10.840
EGOI_100430MSEP3734.E2	30-APR-2010	00:17:12.666
EGOI_100430MSEP3761.E2	30-APR-2010	10:56:36.076
EGOI_100430MSEP3789.E2	30-APR-2010	12:36:02.187
EGOI_100430MSEP3820.E2	30-APR-2010	22:06:20.687
EGOI_100430SGEP5263.E2	30-APR-2010	02:40:58.542
EGOI_100430SGEP5270.E2	30-APR-2010	04:20:08.148
EGOI_100430SGEP5276.E2	30-APR-2010	15:26:25.733
EGOI_100430SGEP5282.E2	30-APR-2010	17:00:33.812

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78560	30-APR-2010	07:22:36.881	07:23:37.772	60.891000
KS	78561	30-APR-2010	09:02:08.793	09:03:36.891	88.098000
KS	78562	30-APR-2010	10:41:45.615	10:43:18.001	92.386000
KS	78563	30-APR-2010	12:21:08.467	12:22:38.104	89.637000
KS	78564	30-APR-2010	14:00:02.227	14:01:37.211	94.984000
KS	78565	30-APR-2010	15:38:03.115	15:39:43.818	100.70300
KS	78566	30-APR-2010	17:15:52.304	17:17:26.408	94.104000
KS	78567	30-APR-2010	18:54:01.405	18:55:19.512	78.107000

KS	78568	30-APR-2010	20:33:42.477	20:34:42.619	60.142000
KS	78569	30-APR-2010	22:15:27.381	22:16:28.242	60.861000
GS	78558	30-APR-2010	03:41:32.709	03:42:33.421	60.712000
MS	78556	30-APR-2010	00:15:58.650	00:17:12.665	74.015000
MS	78562	30-APR-2010	10:55:03.359	10:56:36.076	92.717000
MS	78563	30-APR-2010	12:34:29.073	12:36:02.187	93.114000
MS	78569	30-APR-2010	22:05:19.134	22:06:20.686	61.552000
MS	78570	30-APR-2010	23:43:39.329	23:44:54.291	74.962000
MI	78557	30-APR-2010	02:00:06.475	02:01:22.303	75.828000
MI	78558	30-APR-2010	03:36:07.042	03:37:37.889	90.847000
MI	78565	30-APR-2010	15:56:15.541	15:57:39.420	83.879000
MI	78566	30-APR-2010	17:38:02.795	17:39:19.046	76.251000
MM	78567	30-APR-2010	19:48:03.791	19:49:10.840	67.049000
BE	78557	30-APR-2010	02:27:47.390	02:29:19.472	92.082000
BE	78558	30-APR-2010	04:07:29.940	04:08:56.080	86.140000
SG	78557	30-APR-2010	02:39:33.719	02:40:58.541	84.822000
SG	78557	30-APR-2010	02:49:48.095	02:51:50.759	122.66400
SG	78558	30-APR-2010	04:18:44.346	04:20:08.148	83.802000
SG	78558	30-APR-2010	04:28:21.698	04:30:52.475	150.77700
SG	78565	30-APR-2010	16:55:47.669	17:00:33.811	286.14200
CM	78559	30-APR-2010	05:16:24.641	05:19:56.516	211.87500

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78556	30-APR-2010	01:09:53.595	01:22:58.576	784.98100
CM	78557	30-APR-2010	03:35:26.862	03:47:17.371	710.50900
MM	78559	30-APR-2010	06:29:36.890	06:36:03.219	386.32900
MM	78560	30-APR-2010	08:10:26.930	08:19:08.230	521.30000
JO	78560	30-APR-2010	07:47:32.307	08:02:11.957	879.65000
MM	78561	30-APR-2010	09:50:47.585	10:01:36.802	649.21700
JO	78561	30-APR-2010	09:28:12.124	09:40:27.175	735.05100
MM	78563	30-APR-2010	13:10:44.926	13:23:26.237	761.31100
HO	78564	30-APR-2010	15:00:05.206	15:09:12.159	546.95300
GS	78564	30-APR-2010	14:12:25.205	14:21:48.931	563.72600
SG	78564	30-APR-2010	15:13:31.605	15:27:18.842	827.23700

BE	78565	30-APR-2010	15:25:19.500	15:36:09.119	649.61900
MM	78565	30-APR-2010	16:29:42.148	16:42:15.012	752.86400
GS	78565	30-APR-2010	15:50:22.744	16:04:18.105	835.36100
CM	78565	30-APR-2010	15:59:18.441	16:11:14.284	715.84300
MM	78566	30-APR-2010	18:08:51.113	18:21:24.503	753.39000
GS	78566	30-APR-2010	17:30:27.136	17:41:48.042	680.90600
CM	78566	30-APR-2010	17:39:57.495	17:48:29.082	511.58700
MA	78567	30-APR-2010	18:53:07.927	18:57:26.265	258.33800
JO	78567	30-APR-2010	20:07:39.148	20:21:58.385	859.23700
MM	78568	30-APR-2010	21:27:43.163	21:40:23.554	760.39100
MA	78568	30-APR-2010	20:25:59.227	20:39:45.063	825.83600
JO	78568	30-APR-2010	21:47:17.715	22:00:30.488	792.77300
HO	78569	30-APR-2010	22:59:14.270	23:12:37.771	803.50100
MM	78569	30-APR-2010	23:08:11.002	23:20:16.491	725.48900
MA	78569	30-APR-2010	22:08:21.726	22:18:10.475	588.74900

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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

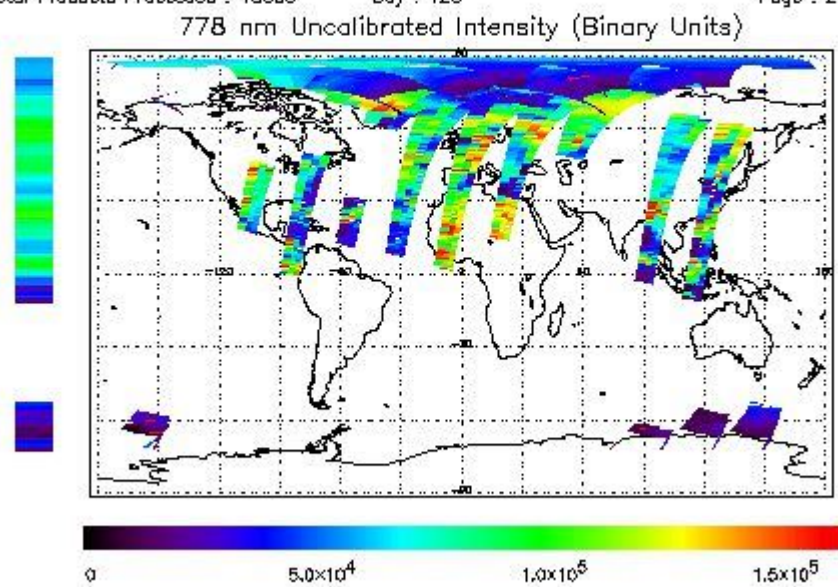
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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 : 29-APR-2010 23:40:54.437 : ORBIT : 78555.6528  
 Last Product : 30-APR-2010 22:29:13.320 : ORBIT : 78569.2545  
 Total Products Processed : 18053 Day : 120 Page : 21

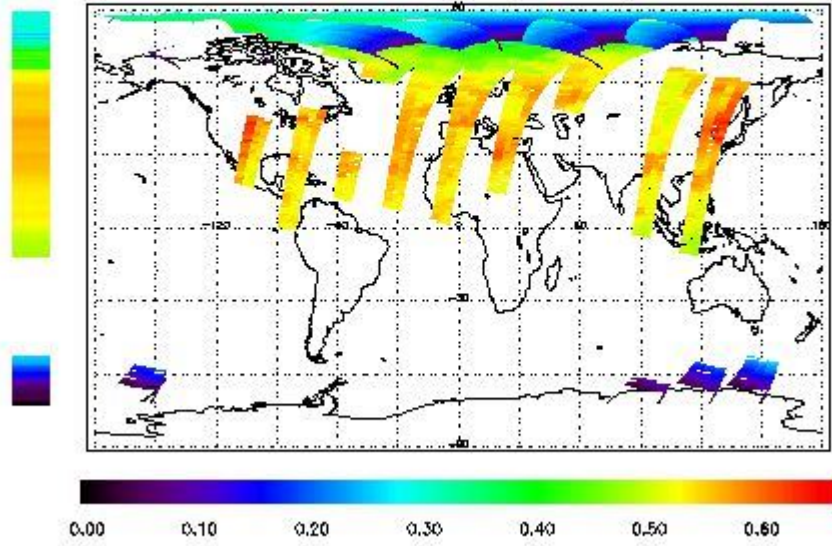


### Ozone Line Ratio

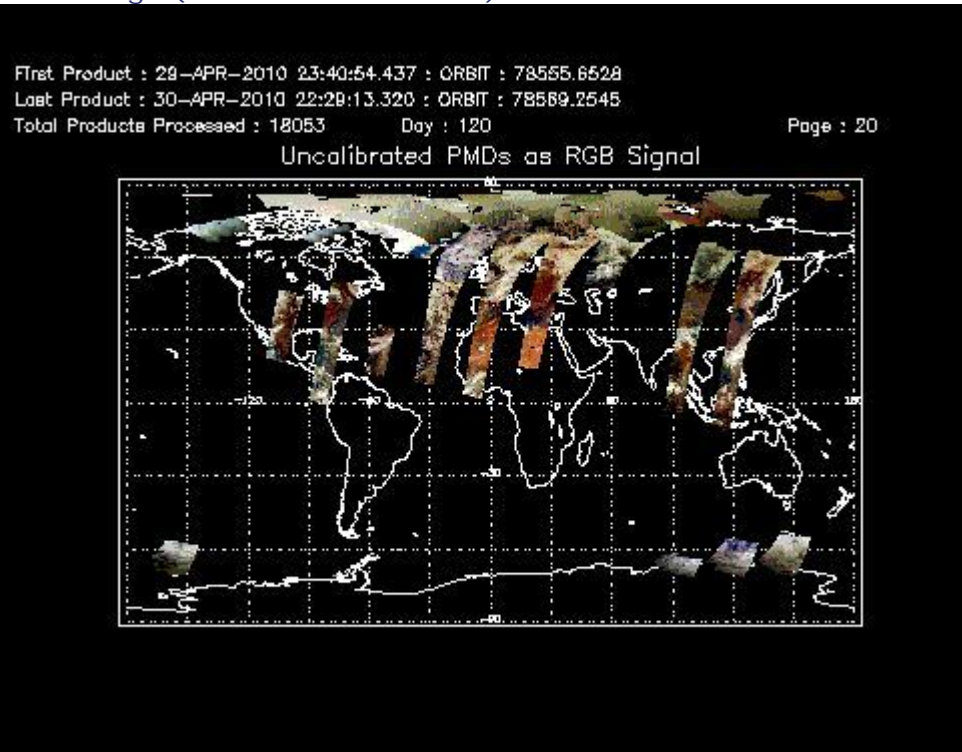
First Product : 29-APR-2010 23:40:54.437 : ORBIT : 78555.6528  
 Last Product : 30-APR-2010 22:29:13.320 : ORBIT : 78569.2545  
 Total Products Processed : 18053 Day : 120

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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	19:00:42	--	78567	Yes	--	14985

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

### 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