

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	31-MAR-2010
Start Time of First Product	01:03:14
Stop Time of Last Product	23:01:49
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to missing data; long science dump over MI , orbit 78128, time interval: 02:41:51-02:47:21

### 1.2 - List of received products

Name	Date	Time
EGOI_100331BEEP2320.E2	31-MAR-2010	03:12:10.379
EGOI_100331CMEP7346.E2	31-MAR-2010	02:46:26.722
EGOI_100331CMEP7355.E2	31-MAR-2010	04:22:25.806
EGOI_100331CMEP7363.E2	31-MAR-2010	15:06:23.748
EGOI_100331CMEP7370.E2	31-MAR-2010	16:43:58.843
EGOI_100331GSEP2991.E2	31-MAR-2010	01:08:27.623
EGOI_100331GSEP3023.E2	31-MAR-2010	02:45:26.714
EGOI_100331GSEP3051.E2	31-MAR-2010	04:27:07.833
EGOI_100331GSEP3058.E2	31-MAR-2010	06:09:14.464

EGOI_100331KSEP7062.E2	31-MAR-2010	06:27:07.069
EGOI_100331KSEP7091.E2	31-MAR-2010	08:07:01.685
EGOI_100331KSEP7117.E2	31-MAR-2010	09:46:39.789
EGOI_100331KSEP7143.E2	31-MAR-2010	11:26:17.904
EGOI_100331MAEP0512.E2	31-MAR-2010	09:54:05.340
EGOI_100331MAEP0527.E2	31-MAR-2010	21:10:51.477
EGOI_100331MIEP7912.E2	31-MAR-2010	02:41:50.695
EGOI_100331MIEP7941.E2	31-MAR-2010	04:21:09.298
EGOI_100331MIEP7967.E2	31-MAR-2010	15:02:07.220
EGOI_100331MIEP7996.E2	31-MAR-2010	16:40:49.823
EGOI_100331MSEP0243.E2	31-MAR-2010	01:03:14.092
EGOI_100331MSEP0258.E2	31-MAR-2010	10:02:26.391
EGOI_100331MSEP0285.E2	31-MAR-2010	11:39:19.478
EGOI_100331MSEP0308.E2	31-MAR-2010	13:20:23.097
EGOI_100331MSEP0320.E2	31-MAR-2010	21:14:00.497
EGOI_100331MSEP0352.E2	31-MAR-2010	22:48:02.576
EGOI_100331SGEP4679.E2	31-MAR-2010	03:23:31.445
EGOI_100331SGEP4686.E2	31-MAR-2010	14:20:17.466

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78130	31-MAR-2010	06:26:03.948	06:27:07.069	63.121000
KS	78131	31-MAR-2010	08:05:13.970	08:07:01.684	107.71400
KS	78132	31-MAR-2010	09:44:50.920	09:46:39.788	108.86800
KS	78133	31-MAR-2010	11:24:23.850	11:26:17.904	114.05400
GS	78127	31-MAR-2010	01:07:25.936	01:08:27.622	61.686000
GS	78128	31-MAR-2010	02:44:13.191	02:45:26.713	73.522000
GS	78129	31-MAR-2010	04:25:44.275	04:27:07.833	83.558000
MS	78133	31-MAR-2010	11:37:20.348	11:39:19.478	119.13000
MS	78134	31-MAR-2010	13:18:32.075	13:20:23.096	111.02100
MS	78140	31-MAR-2010	22:46:41.103	22:48:02.576	81.473000
MA	78132	31-MAR-2010	09:52:53.292	09:54:05.339	72.047000
MA	78139	31-MAR-2010	21:08:48.204	21:10:51.477	123.27300
MI	78128	31-MAR-2010	02:40:11.927	02:41:50.694	98.767000
MI	78129	31-MAR-2010	04:19:29.859	04:21:09.297	99.438000
MI	78135	31-MAR-2010	15:00:26.091	15:02:07.219	101.12800
MI	78136	31-MAR-2010	16:39:07.657	16:40:49.823	102.16600
BE	78128	31-MAR-2010	03:10:14.085	03:12:10.378	116.29300
SG	78128	31-MAR-2010	03:21:15.119	03:23:31.444	136.32500

SG	78134	31-MAR-2010	14:18:39.519	14:20:17.465	97.946000
CM	78128	31-MAR-2010	02:42:01.763	02:46:26.722	264.95900
CM	78136	31-MAR-2010	16:41:39.739	16:43:58.842	139.10300

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78126	31-MAR-2010	00:12:03.157	00:26:41.160	878.00300
MM	78126	31-MAR-2010	00:23:28.959	00:34:37.111	668.15200
HO	78127	31-MAR-2010	01:55:11.016	02:04:13.709	542.69300
MM	78127	31-MAR-2010	02:05:46.845	02:14:54.636	547.79100
MM	78128	31-MAR-2010	03:48:49.275	03:55:37.113	407.83800
BE	78129	31-MAR-2010	04:51:07.450	04:59:43.597	516.14700
MM	78129	31-MAR-2010	05:31:31.739	05:37:19.431	347.69200
MM	78130	31-MAR-2010	07:12:55.300	07:20:14.828	439.52800
JO	78130	31-MAR-2010	06:52:53.979	07:04:14.008	680.02900
MM	78131	31-MAR-2010	08:53:29.516	09:03:10.229	580.71300
MA	78131	31-MAR-2010	08:14:39.804	08:25:16.601	636.79700
JO	78131	31-MAR-2010	08:29:54.068	08:44:49.832	895.76400
MM	78132	31-MAR-2010	10:33:42.963	10:45:13.001	690.03800
MM	78133	31-MAR-2010	12:13:42.707	12:26:11.018	748.31100
MA	78133	31-MAR-2010	11:34:12.337	11:41:40.297	447.96000
MM	78134	31-MAR-2010	13:53:28.373	14:06:12.300	763.92700
KS	78134	31-MAR-2010	13:03:35.122	13:16:07.413	752.29100
SG	78134	31-MAR-2010	14:18:39.519	14:28:59.881	620.36200
BE	78135	31-MAR-2010	14:26:56.825	14:40:13.415	796.59000
MM	78135	31-MAR-2010	15:32:58.098	15:45:35.535	757.43700
KS	78135	31-MAR-2010	14:42:17.469	14:53:50.157	692.68800
GS	78135	31-MAR-2010	14:53:57.953	15:06:32.460	754.50700
MM	78136	31-MAR-2010	17:12:12.473	17:24:44.015	751.54200
KS	78136	31-MAR-2010	16:19:57.529	16:32:04.759	727.23000
GS	78136	31-MAR-2010	16:33:04.719	16:46:37.647	812.92800
MM	78137	31-MAR-2010	18:51:20.550	19:03:57.440	756.89000
KS	78137	31-MAR-2010	17:57:47.707	18:11:04.053	796.34600
GS	78137	31-MAR-2010	18:14:00.811	18:22:00.162	479.35100
JO	78137	31-MAR-2010	19:13:02.363	19:22:23.664	561.30100

MM	78138	31-MAR-2010	20:30:41.714	20:43:25.698	763.98400
MA	78138	31-MAR-2010	19:30:36.790	19:42:13.426	696.63600
KS	78138	31-MAR-2010	19:36:31.973	19:50:31.611	839.63800
JO	78138	31-MAR-2010	20:49:54.631	21:04:55.705	901.07400
HO	78139	31-MAR-2010	22:04:35.957	22:15:08.171	632.21400
MM	78139	31-MAR-2010	22:10:39.544	22:23:10.234	750.69000
KS	78139	31-MAR-2010	21:17:01.357	21:30:09.229	787.87200
JO	78139	31-MAR-2010	22:31:28.616	22:40:26.554	537.93800
HO	78140	31-MAR-2010	23:41:02.492	23:55:25.473	862.98100
MM	78140	31-MAR-2010	23:51:33.079	00:03:09.035	695.95600
KS	78140	31-MAR-2010	22:59:53.725	23:09:35.517	581.79200

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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	North 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

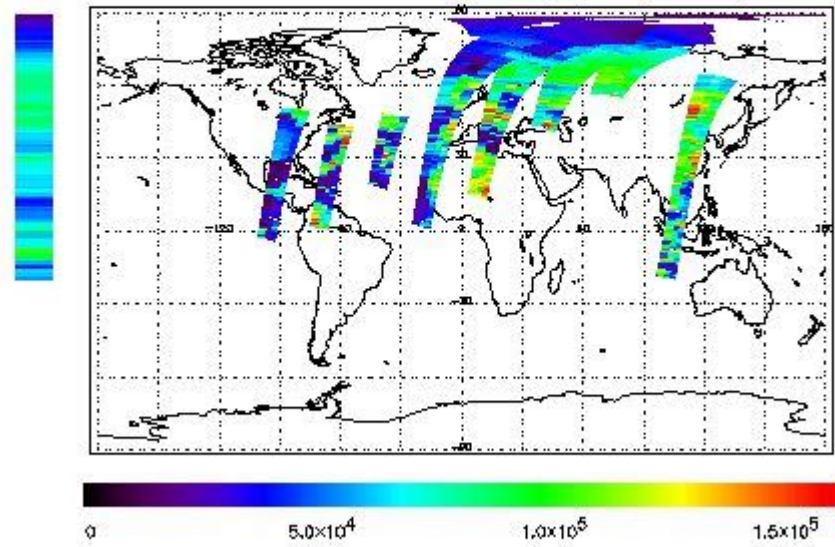
## 2.2 - Daily Plots

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 : 31-MAR-2010 01:03:14.092 : ORBIT : 78127.0426  
 Last Product : 31-MAR-2010 23:01:49.154 : ORBIT : 78140.1500  
 Total Products Processed : 11625 Day : 90 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

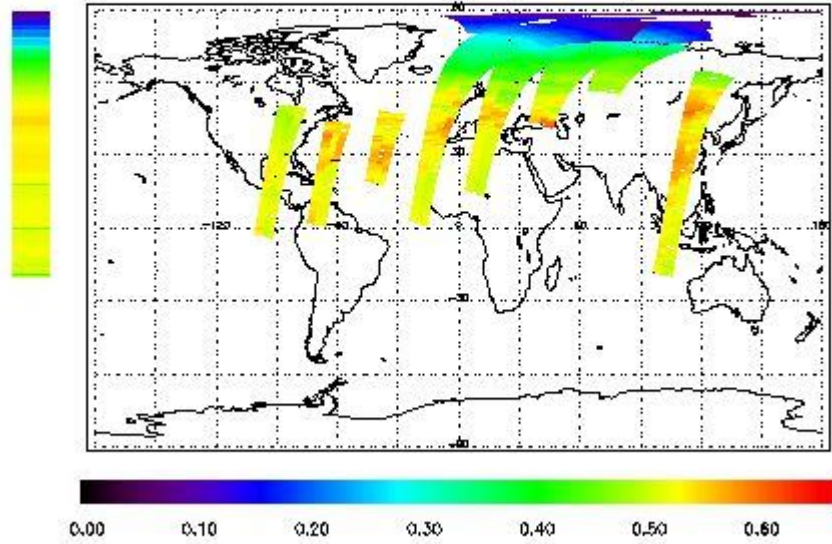


### Ozone Line Ratio

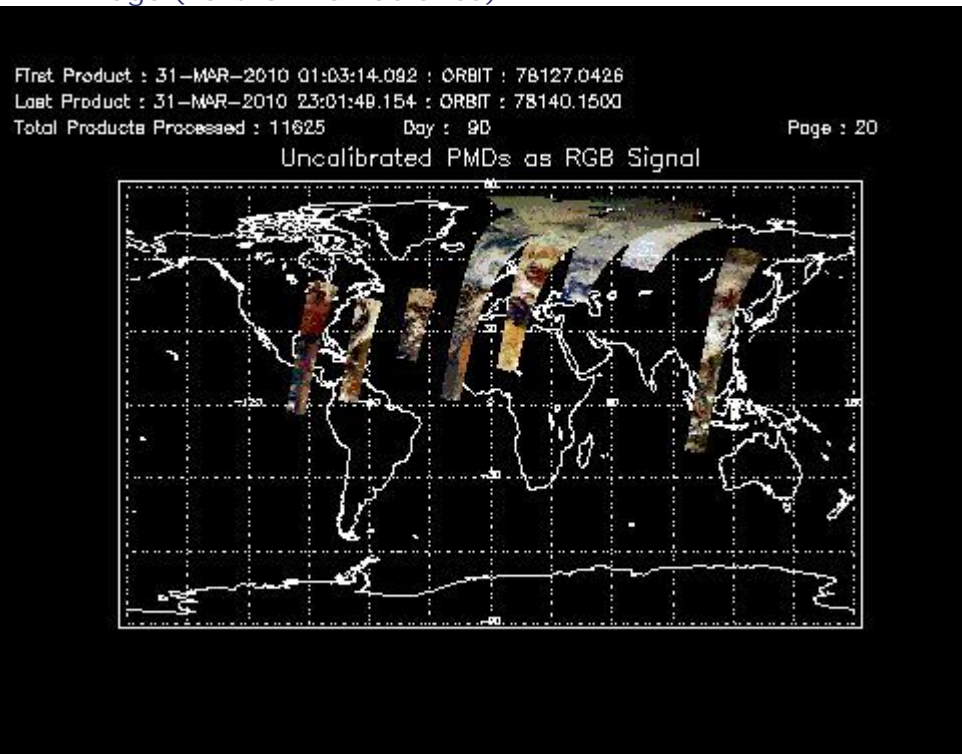
First Product : 31-MAR-2010 01:03:14.092 : ORBIT : 78127.0426  
 Last Product : 31-MAR-2010 23:01:49.154 : ORBIT : 78140.1500  
 Total Products Processed : 11625 Day : 90

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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)
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#### 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
7:00 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