

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-FEB-2010
Start Time of First Product	23:51:20 (22-Feb)
Stop Time of Last Product	23:43:42
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre

### 1.2 - List of received products

Name	Date	Time
EGOI_100223BEEP1994.E2	23-FEB-2010	02:04:55.331
EGOI_100223BEEP2003.E2	23-FEB-2010	03:43:57.438
EGOI_100223CMEP6797.E2	23-FEB-2010	03:11:48.247
EGOI_100223CMEP6803.E2	23-FEB-2010	04:53:27.869
EGOI_100223CMEP6807.E2	23-FEB-2010	15:35:36.299
EGOI_100223GSEP0343.E2	23-FEB-2010	01:38:40.175
EGOI_100223GSEP0373.E2	23-FEB-2010	03:17:01.778
EGOI_100223GSEP0383.E2	23-FEB-2010	04:59:59.408
EGOI_100223HLEP5101.E2	23-FEB-2010	11:17:42.223

EGOI_100223KSEP6754.E2	23-FEB-2010	06:58:36.132
EGOI_100223KSEP6776.E2	23-FEB-2010	08:38:35.247
EGOI_100223KSEP6799.E2	23-FEB-2010	10:18:14.854
EGOI_100223KSEP6825.E2	23-FEB-2010	11:57:46.966
EGOI_100223KSEP6844.E2	23-FEB-2010	13:36:43.074
EGOI_100223KSEP6872.E2	23-FEB-2010	15:15:24.177
EGOI_100223KSEP6893.E2	23-FEB-2010	16:52:51.773
EGOI_100223KSEP6926.E2	23-FEB-2010	18:30:44.873
EGOI_100223KSEP6947.E2	23-FEB-2010	20:09:45.480
EGOI_100223KSEP6977.E2	23-FEB-2010	21:50:38.600
EGOI_100223KSEP7005.E2	23-FEB-2010	23:34:07.739
EGOI_100223MAEP9216.E2	23-FEB-2010	08:46:06.790
EGOI_100223MAEP9228.E2	23-FEB-2010	10:25:44.901
EGOI_100223MIEP4166.E2	23-FEB-2010	03:12:36.251
EGOI_100223MIEP4191.E2	23-FEB-2010	04:54:18.873
EGOI_100223MIEP4219.E2	23-FEB-2010	15:32:49.783
EGOI_100223MIEP4246.E2	23-FEB-2010	17:13:05.402
EGOI_100223MMEP4336.E2	23-FEB-2010	00:56:33.916
EGOI_100223MMEP4343.E2	23-FEB-2010	02:38:37.539
EGOI_100223MMEP4352.E2	23-FEB-2010	07:45:18.418
EGOI_100223MMEP4360.E2	23-FEB-2010	11:06:16.648
EGOI_100223MMEP4370.E2	23-FEB-2010	16:05:24.483
EGOI_100223MSEP5978.E2	22-FEB-2010	23:51:20.012
EGOI_100223MSEP6001.E2	23-FEB-2010	10:32:35.945
EGOI_100223MSEP6030.E2	23-FEB-2010	12:10:50.045
EGOI_100223MSEP6057.E2	23-FEB-2010	21:42:55.057
EGOI_100223MSEP6089.E2	23-FEB-2010	23:19:36.149
EGOI_100223SGEP3890.E2	23-FEB-2010	02:17:05.906
EGOI_100223SGEP3899.E2	23-FEB-2010	03:54:29.001

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77615	23-FEB-2010	06:57:06.401	06:58:36.131	89.730000
KS	77616	23-FEB-2010	08:36:31.720	08:38:35.247	123.52700
KS	77617	23-FEB-2010	10:16:09.375	10:18:14.854	125.47900
KS	77618	23-FEB-2010	11:55:37.482	11:57:46.965	129.48300
KS	77619	23-FEB-2010	13:34:37.911	13:36:43.073	125.16200
KS	77620	23-FEB-2010	15:12:59.915	15:15:24.177	144.26200
KS	77621	23-FEB-2010	16:50:36.957	16:52:51.773	134.81600
KS	77622	23-FEB-2010	18:28:38.848	18:30:44.873	126.02500
KS	77623	23-FEB-2010	20:07:54.184	20:09:45.480	111.29600

KS	77623	23-FEB-2010	20:15:44.014	20:21:49.998	365.98400
KS	77624	23-FEB-2010	21:49:03.397	21:50:38.600	95.203000
KS	77625	23-FEB-2010	23:32:55.203	23:34:07.739	72.536000
GS	77612	23-FEB-2010	01:37:20.529	01:38:40.174	79.645000
GS	77613	23-FEB-2010	03:15:33.458	03:17:01.777	88.319000
MS	77611	22-FEB-2010	23:49:28.186	23:51:20.011	111.82500
MS	77617	23-FEB-2010	10:30:22.545	10:32:35.945	133.40000
MS	77618	23-FEB-2010	12:08:38.371	12:10:50.044	131.67300
MS	77625	23-FEB-2010	23:17:46.112	23:19:36.149	110.03700
MA	77617	23-FEB-2010	10:24:11.881	10:25:44.900	93.019000
MI	77613	23-FEB-2010	03:10:41.160	03:12:36.251	115.09100
MI	77614	23-FEB-2010	04:52:27.529	04:54:18.873	111.34400
MI	77620	23-FEB-2010	15:30:54.864	15:32:49.783	114.91900
MI	77621	23-FEB-2010	17:11:08.524	17:13:05.401	116.87700
MM	77611	23-FEB-2010	00:55:31.354	00:56:33.915	62.561000
MM	77617	23-FEB-2010	11:05:10.028	11:06:16.647	66.619000
MM	77620	23-FEB-2010	16:04:10.922	16:05:24.483	73.561000
BE	77612	23-FEB-2010	02:02:35.519	02:04:55.330	139.81100
BE	77613	23-FEB-2010	03:41:38.072	03:43:57.437	139.36500
SG	77612	23-FEB-2010	02:15:24.255	02:17:05.905	101.65000
SG	77613	23-FEB-2010	03:52:35.742	03:54:29.000	113.25800
CM	77620	23-FEB-2010	15:34:29.265	15:35:36.298	67.033000

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77611	23-FEB-2010	00:43:42.225	00:57:48.117	845.89200
KS	77611	23-FEB-2010	00:06:32.955	00:11:21.466	288.51100
MM	77613	23-FEB-2010	04:21:12.491	04:27:26.172	373.68100
MM	77614	23-FEB-2010	06:03:31.976	06:09:34.946	362.97000
JO	77615	23-FEB-2010	07:22:38.811	07:36:18.343	819.53200
MM	77616	23-FEB-2010	09:25:01.105	09:35:21.341	620.23600
JO	77616	23-FEB-2010	09:01:39.754	09:15:38.795	839.04100
MM	77618	23-FEB-2010	12:45:05.517	12:57:42.522	757.00500
HO	77619	23-FEB-2010	14:33:55.631	14:45:36.025	700.39400
MM	77619	23-FEB-2010	14:24:46.362	14:37:29.484	763.12200

SG	77619	23-FEB-2010	14:48:28.301	15:01:24.463	776.16200
BE	77620	23-FEB-2010	14:58:46.463	15:11:09.041	742.57800
GS	77620	23-FEB-2010	15:24:54.199	15:38:30.881	816.68200
SG	77620	23-FEB-2010	16:28:26.544	16:39:39.012	672.46800
MM	77621	23-FEB-2010	17:43:21.822	17:55:53.885	752.06300
GS	77621	23-FEB-2010	17:04:33.905	17:17:09.634	755.72900
CM	77621	23-FEB-2010	17:13:23.631	17:24:21.541	657.91000
MM	77622	23-FEB-2010	19:22:31.518	19:35:11.379	759.86100
JO	77622	23-FEB-2010	19:42:42.852	19:55:36.291	773.43900
MM	77623	23-FEB-2010	21:02:01.752	21:14:44.878	763.12600
MA	77623	23-FEB-2010	20:00:52.235	20:14:14.278	802.04300
JO	77623	23-FEB-2010	21:21:19.263	21:35:45.002	865.73900
HO	77624	23-FEB-2010	22:34:19.078	22:46:50.968	751.89000
MM	77624	23-FEB-2010	22:42:15.395	22:54:34.120	738.72500
MA	77624	23-FEB-2010	21:40:35.865	21:53:13.993	758.12800

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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 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

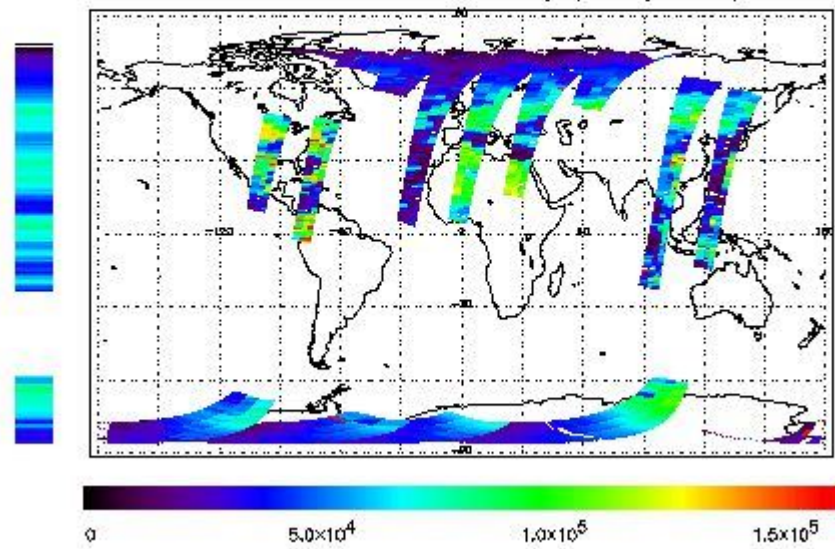
## 2.2 - Daily Plots

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 : 22-FEB-2010 23:51:20.012 : ORBIT : 77611.0136  
 Last Product : 23-FEB-2010 23:43:42.293 : ORBIT : 77625.2520  
 Total Products Processed : 18276 Day : 54 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

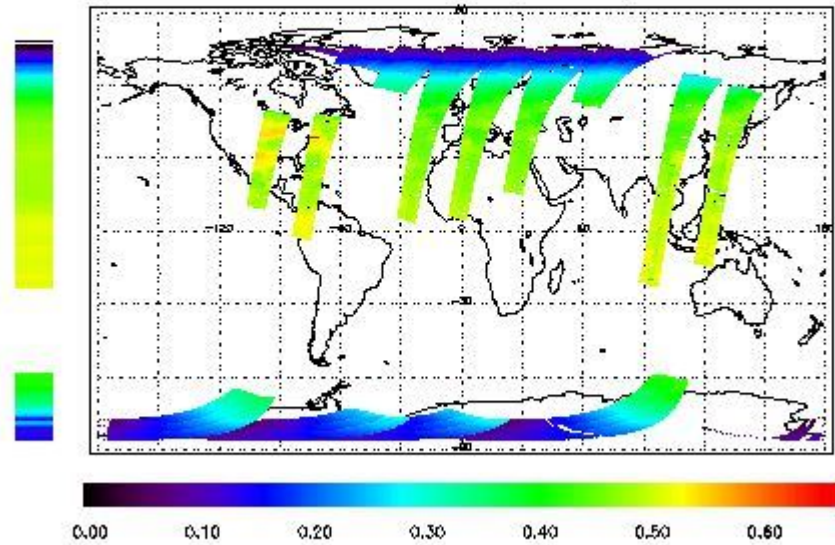


### Ozone Line Ratio

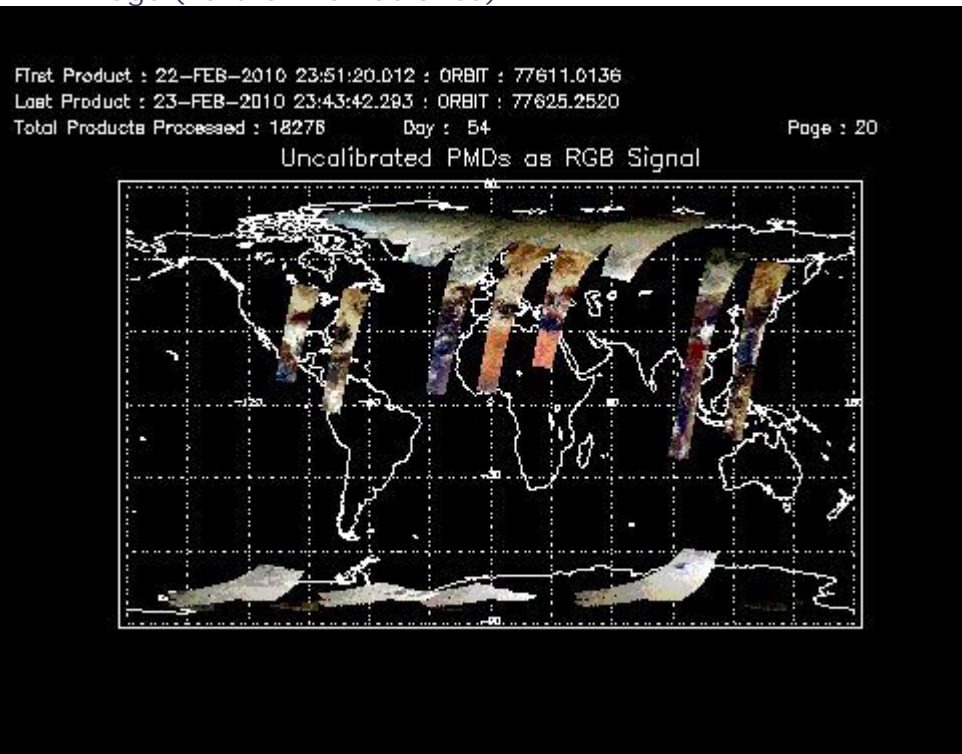
First Product : 22-FEB-2010 23:51:20.012 : ORBIT : 77611.0136  
 Last Product : 23-FEB-2010 23:43:42.293 : ORBIT : 77625.2520  
 Total Products Processed : 18276 Day : 54

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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
--	--	--	--	--

### 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