

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-FEB-2010
Start Time of First Product	00:18:22
Stop Time of Last Product	23:06:47
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_100221GSEP0183.E2	21-FEB-2010	01:03:19.279
EGOI_100221GSEP0215.E2	21-FEB-2010	02:40:06.374
EGOI_100221GSEP0244.E2	21-FEB-2010	04:21:20.493
EGOI_100221GSEP0251.E2	21-FEB-2010	06:03:34.619
EGOI_100221KSEP6165.E2	21-FEB-2010	06:21:43.729
EGOI_100221KSEP6197.E2	21-FEB-2010	08:01:36.843
EGOI_100221KSEP6223.E2	21-FEB-2010	09:41:14.959
EGOI_100221KSEP6257.E2	21-FEB-2010	11:20:50.063
EGOI_100221KSEP6275.E2	21-FEB-2010	13:00:01.171

EGOI_100221KSEP6289.E2	21-FEB-2010	14:38:51.278
EGOI_100221KSEP6314.E2	21-FEB-2010	16:16:30.878
EGOI_100221KSEP6346.E2	21-FEB-2010	17:54:35.982
EGOI_100221KSEP6382.E2	21-FEB-2010	19:32:30.582
EGOI_100221KSEP6417.E2	21-FEB-2010	21:12:47.698
EGOI_100221KSEP6443.E2	21-FEB-2010	22:55:24.329
EGOI_100221MAEP9162.E2	21-FEB-2010	09:48:41.998
EGOI_100221MIEP3966.E2	21-FEB-2010	02:36:45.351
EGOI_100221MIEP3995.E2	21-FEB-2010	04:15:35.458
EGOI_100221MIEP4021.E2	21-FEB-2010	14:56:55.892
EGOI_100221MIEP4051.E2	21-FEB-2010	16:35:20.492
EGOI_100221MMEP4219.E2	21-FEB-2010	00:18:22.009
EGOI_100221MMEP4225.E2	21-FEB-2010	02:00:52.631
EGOI_100221MMEP4232.E2	21-FEB-2010	10:29:10.745
EGOI_100221MMEP4244.E2	21-FEB-2010	12:09:26.365
EGOI_100221MMEP4251.E2	21-FEB-2010	13:48:56.973
EGOI_100221MMEP4258.E2	21-FEB-2010	15:28:30.588
EGOI_100221MMEP4270.E2	21-FEB-2010	20:26:35.415
EGOI_100221MSEP5759.E2	21-FEB-2010	00:57:10.244
EGOI_100221MSEP5770.E2	21-FEB-2010	09:57:31.554
EGOI_100221MSEP5792.E2	21-FEB-2010	11:33:56.149
EGOI_100221MSEP5816.E2	21-FEB-2010	13:14:43.261
EGOI_100221MSEP5848.E2	21-FEB-2010	22:43:16.755
EGOI_100221SGEP3856.E2	21-FEB-2010	14:15:09.137
EGOI_100221SGEP3862.E2	21-FEB-2010	15:52:41.237

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77586	21-FEB-2010	06:20:27.009	06:21:43.728	76.719000
KS	77587	21-FEB-2010	07:59:32.735	08:01:36.842	124.10700
KS	77588	21-FEB-2010	09:39:09.320	09:41:14.959	125.63900
KS	77589	21-FEB-2010	11:18:42.946	11:20:50.063	127.11700
KS	77590	21-FEB-2010	12:57:55.974	13:00:01.170	125.19600
KS	77591	21-FEB-2010	14:36:40.224	14:38:51.278	131.05400
KS	77592	21-FEB-2010	16:14:20.590	16:16:30.878	130.28800
KS	77593	21-FEB-2010	17:52:14.117	17:54:35.982	141.86500
KS	77594	21-FEB-2010	19:30:50.873	19:32:30.582	99.709000
KS	77595	21-FEB-2010	21:11:13.426	21:12:47.698	94.272000
KS	77596	21-FEB-2010	22:53:56.076	22:55:24.328	88.252000
GS	77583	21-FEB-2010	01:02:03.326	01:03:19.278	75.952000

GS	77584	21-FEB-2010	02:38:34.127	02:40:06.374	92.247000
GS	77585	21-FEB-2010	04:19:45.928	04:21:20.492	94.564000
MS	77589	21-FEB-2010	11:31:39.587	11:33:56.148	136.56100
MS	77590	21-FEB-2010	13:12:35.922	13:14:43.260	127.33800
MS	77596	21-FEB-2010	22:41:05.869	22:43:16.754	130.88500
MA	77588	21-FEB-2010	09:47:12.107	09:48:41.998	89.891000
MI	77584	21-FEB-2010	02:34:44.138	02:36:45.351	121.21300
MI	77585	21-FEB-2010	04:13:37.846	04:15:35.458	117.61200
MI	77591	21-FEB-2010	14:54:58.634	14:56:55.891	117.25700
MI	77592	21-FEB-2010	16:33:21.959	16:35:20.492	118.53300
MM	77588	21-FEB-2010	10:27:59.722	10:29:10.745	71.023000
MM	77589	21-FEB-2010	12:08:00.226	12:09:26.365	86.139000
MM	77590	21-FEB-2010	13:47:46.748	13:48:56.972	70.224000
MM	77591	21-FEB-2010	15:27:17.417	15:28:30.587	73.170000
MM	77594	21-FEB-2010	20:25:00.304	20:26:35.415	95.111000
SG	77590	21-FEB-2010	14:13:23.181	14:15:09.137	105.95600
SG	77591	21-FEB-2010	15:50:29.281	15:52:41.237	131.95600

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77582	21-FEB-2010	00:06:25.021	00:21:00.591	875.57000
HO	77583	21-FEB-2010	01:48:58.529	01:58:53.224	594.69500
BE	77584	21-FEB-2010	03:04:32.962	03:17:57.850	804.88800
MM	77584	21-FEB-2010	03:42:55.685	03:49:50.688	415.00300
SG	77584	21-FEB-2010	03:15:37.139	03:29:25.112	827.97300
CM	77584	21-FEB-2010	02:37:11.044	02:41:41.274	270.23000
CM	77584	21-FEB-2010	04:11:58.376	04:24:21.798	743.42200
BE	77585	21-FEB-2010	04:45:15.029	04:54:25.657	550.62800
MM	77585	21-FEB-2010	05:25:41.636	05:31:28.376	346.74000
SG	77585	21-FEB-2010	04:57:53.716	05:05:11.481	437.76500
MM	77586	21-FEB-2010	07:07:09.427	07:14:21.174	431.74700
JO	77586	21-FEB-2010	06:47:35.882	06:58:19.702	643.82000
MM	77587	21-FEB-2010	08:47:45.399	08:57:18.503	573.10400
MA	77587	21-FEB-2010	08:09:14.887	08:19:15.547	600.66000
JO	77587	21-FEB-2010	08:24:11.518	08:39:11.027	899.50900

JO	77588	21-FEB-2010	10:08:17.578	10:14:45.647	388.06900
MA	77589	21-FEB-2010	11:28:24.912	11:36:24.448	479.53600
HO	77590	21-FEB-2010	13:56:25.429	14:10:23.664	838.23500
SG	77590	21-FEB-2010	14:13:23.181	14:22:58.093	574.91200
BE	77591	21-FEB-2010	14:21:13.262	14:34:34.142	800.88000
GS	77591	21-FEB-2010	14:48:22.351	15:00:39.883	737.53200
CM	77591	21-FEB-2010	15:00:41.798	15:04:38.458	236.66000
BE	77592	21-FEB-2010	16:05:11.997	16:11:05.738	353.74100
MM	77592	21-FEB-2010	17:06:32.528	17:19:04.114	751.58600
GS	77592	21-FEB-2010	16:27:22.181	16:41:01.778	819.59700
CM	77592	21-FEB-2010	16:35:57.338	16:48:19.046	741.70800
MM	77593	21-FEB-2010	18:45:40.533	18:58:16.894	756.36100
GS	77593	21-FEB-2010	18:08:09.438	18:16:43.416	513.97800
JO	77593	21-FEB-2010	19:07:49.976	19:16:08.744	498.76800
MA	77594	21-FEB-2010	19:27:03.329	19:36:24.602	561.27300
JO	77594	21-FEB-2010	20:44:14.169	20:59:15.808	901.63900
MM	77595	21-FEB-2010	22:04:55.456	22:17:27.858	752.40200
MA	77595	21-FEB-2010	21:03:00.740	21:16:26.904	806.16400
JO	77595	21-FEB-2010	22:25:28.735	22:35:15.632	586.89700
HO	77596	21-FEB-2010	23:35:21.110	23:49:44.160	863.05000
MM	77596	21-FEB-2010	23:45:45.441	23:57:25.890	700.44900

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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

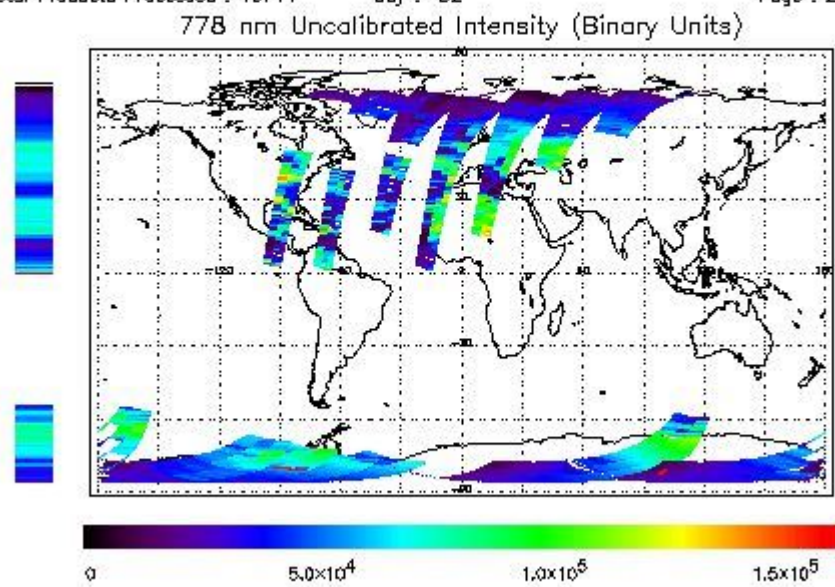
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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](#)

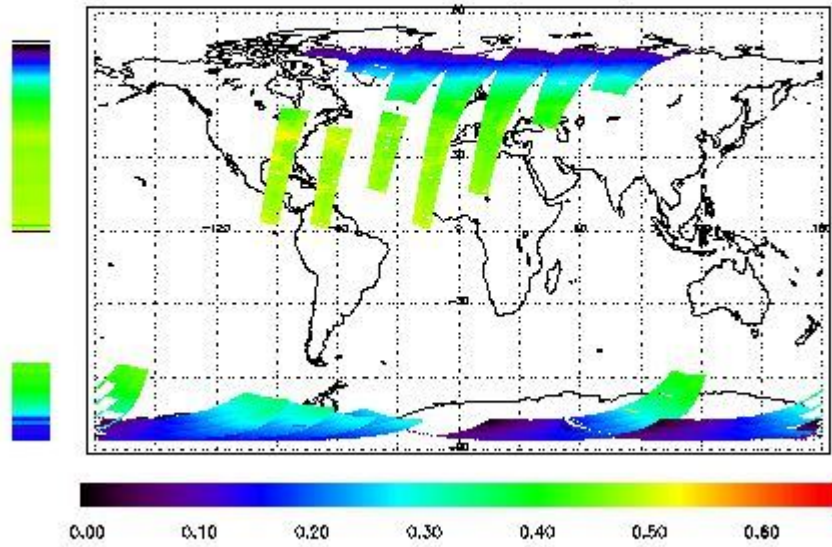
### NEAR IR Intensity

First Product : 21-FEB-2010 00:18:22.009 : ORBIT : 77582.6537  
 Last Product : 21-FEB-2010 23:06:46.899 : ORBIT : 77596.2564  
 Total Products Processed : 16711 Day : 52 Page : 21

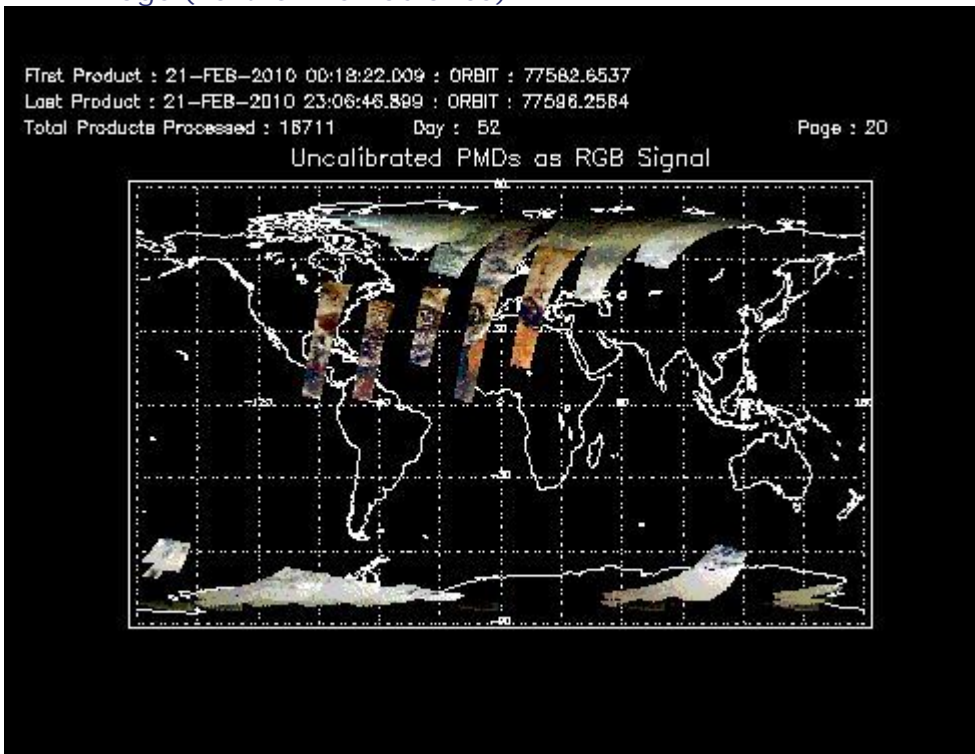


### Ozone Line Ratio

First Product : 21-FEB-2010 00:18:22.009 : ORBIT : 77582.6537  
 Last Product : 21-FEB-2010 23:06:46.899 : ORBIT : 77596.2584  
 Total Products Processed : 18711 Day : 52 Page : 20  
 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	11:23:02.082	--	77589	Yes	--	15640

#### 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
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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