

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-MAY-2011
Start Time of First Product	00:23:46
Stop Time of Last Product	22:33:21
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

### 1.2 - List of received products

Name	Date	Time
EGOI_110530CMEP6978.E2	30-MAY-2011	03:42:02.406
EGOI_110530CMEP6983.E2	30-MAY-2011	05:22:57.020
EGOI_110530CMEP6992.E2	30-MAY-2011	17:45:27.063
EGOI_110530GSEP3354.E2	30-MAY-2011	00:34:29.762
EGOI_110530GSEP3375.E2	30-MAY-2011	02:09:42.344
EGOI_110530GSEP3400.E2	30-MAY-2011	03:49:09.953
EGOI_110530GSEP3410.E2	30-MAY-2011	05:31:19.570
EGOI_110530KSEP4227.E2	30-MAY-2011	07:29:27.793
EGOI_110530KSEP4247.E2	30-MAY-2011	09:09:22.402

EGOI_110530KSEP4268.E2	30-MAY-2011	10:48:57.516
EGOI_110530KSEP4294.E2	30-MAY-2011	12:28:07.126
EGOI_110530KSEP4310.E2	30-MAY-2011	14:07:00.225
EGOI_110530KSEP4325.E2	30-MAY-2011	15:44:45.823
EGOI_110530KSEP4337.E2	30-MAY-2011	17:22:32.921
EGOI_110530KSEP4367.E2	30-MAY-2011	19:00:12.520
EGOI_110530KSEP4387.E2	30-MAY-2011	20:39:34.130
EGOI_110530KSEP4406.E2	30-MAY-2011	22:21:43.751
EGOI_110530MAEP8291.E2	30-MAY-2011	09:16:46.445
EGOI_110530MAEP8308.E2	30-MAY-2011	10:56:26.055
EGOI_110530MAEP8323.E2	30-MAY-2011	20:33:23.589
EGOI_110530MAEP8336.E2	30-MAY-2011	22:13:28.701
EGOI_110530MIEP3672.E2	30-MAY-2011	02:07:10.828
EGOI_110530MIEP3694.E2	30-MAY-2011	03:44:03.918
EGOI_110530MIEP3712.E2	30-MAY-2011	14:26:49.850
EGOI_110530MIEP3739.E2	30-MAY-2011	16:03:05.432
EGOI_110530MIEP3762.E2	30-MAY-2011	17:44:31.559
EGOI_110530MSEP9439.E2	30-MAY-2011	00:23:46.195
EGOI_110530MSEP9463.E2	30-MAY-2011	11:02:18.595
EGOI_110530MSEP9490.E2	30-MAY-2011	12:41:32.700
EGOI_110530MSEP9507.E2	30-MAY-2011	22:11:04.685
EGOI_110530SGEP3531.E2	30-MAY-2011	02:46:50.066
EGOI_110530SGEP3537.E2	30-MAY-2011	04:36:02.738
EGOI_110530SGEP3544.E2	30-MAY-2011	17:03:07.304

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84210	30-MAY-2011	00:55:21.547	01:09:00.233	818.68600
MM	84210	30-MAY-2011	01:07:11.989	01:17:34.002	622.01300
KS	84210	30-MAY-2011	00:19:08.035	00:22:13.763	185.72800
BE	84211	30-MAY-2011	02:13:45.564	02:26:14.535	748.97100
MM	84211	30-MAY-2011	02:49:53.564	02:57:59.924	486.36000
BE	84212	30-MAY-2011	03:53:06.530	04:05:32.595	746.06500
MM	84212	30-MAY-2011	04:32:58.071	04:39:02.178	364.10700
MM	84213	30-MAY-2011	06:15:08.127	06:21:20.439	372.31200
MI	84213	30-MAY-2011	05:04:57.308	05:11:37.216	399.90800

MM	84214	30-MAY-2011	07:56:05.055	08:04:25.749	500.69400
JO	84214	30-MAY-2011	07:33:39.416	07:47:50.739	851.32300
MM	84215	30-MAY-2011	09:36:28.554	09:47:02.068	633.51400
JO	84215	30-MAY-2011	09:13:23.087	09:26:43.724	800.63700
HO	84216	30-MAY-2011	11:26:47.400	11:38:07.308	679.90800
MM	84216	30-MAY-2011	11:16:35.913	11:28:37.071	721.15800
HO	84217	30-MAY-2011	13:05:03.807	13:19:53.131	889.32400
MM	84217	30-MAY-2011	12:56:29.822	13:09:09.028	759.20600
HO	84218	30-MAY-2011	14:45:30.912	14:55:43.008	612.09600
MM	84218	30-MAY-2011	14:36:08.870	14:48:51.299	762.42900
GS	84218	30-MAY-2011	13:58:56.401	14:06:24.182	447.78100
SG	84218	30-MAY-2011	14:59:32.894	15:12:58.605	805.71100
BE	84219	30-MAY-2011	15:10:30.471	15:22:18.340	707.86900
MM	84219	30-MAY-2011	16:15:31.582	16:28:05.354	753.77200
GS	84219	30-MAY-2011	15:36:12.641	15:50:00.830	828.18900
SG	84219	30-MAY-2011	16:40:25.430	16:50:18.070	592.64000
CM	84219	30-MAY-2011	15:45:26.866	15:56:41.138	674.27200
MM	84220	30-MAY-2011	17:54:41.505	18:07:14.067	752.56200
GS	84220	30-MAY-2011	17:16:03.277	17:28:09.124	725.84700
MM	84221	30-MAY-2011	19:33:52.337	19:46:33.216	760.87900

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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

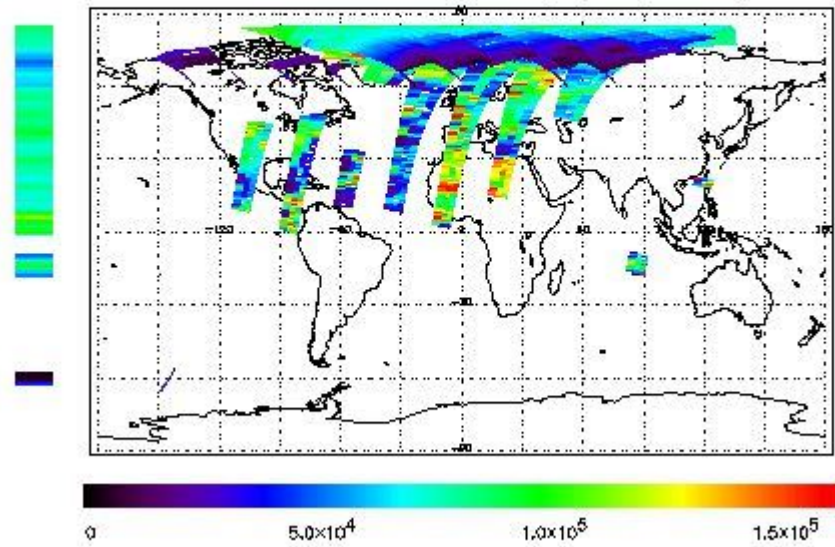
## 2.2 - Daily Plots

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 : 30-MAY-2011 00:23:46.195 : ORBIT : 84210.2217  
 Last Product : 30-MAY-2011 22:33:21.321 : ORBIT : 84223.4384  
 Total Products Processed : 14409 Day : 150 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

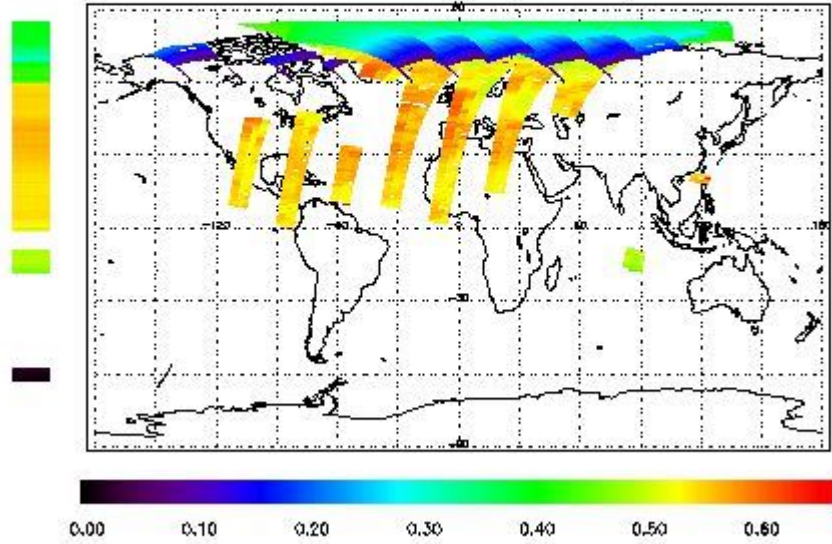


### Ozone Line Ratio

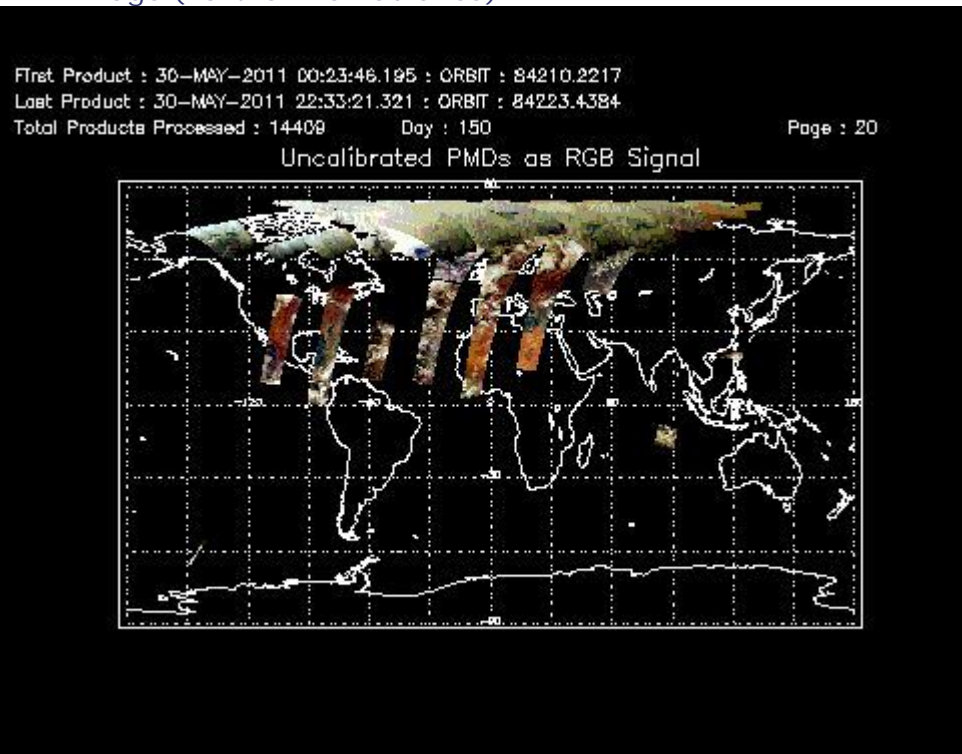
First Product : 30-MAY-2011 00:23:46.195 : ORBIT : 84210.2217  
 Last Product : 30-MAY-2011 22:33:21.321 : ORBIT : 84223.4384  
 Total Products Processed : 14409 Day : 150

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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	19:03:44.039	--	84221	Yes	--	--

#### 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