

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-MAY-2010
Start Time of First Product	00:08:19
Stop Time of Last Product	23:49:45
Number of EGOI Products analysed	32
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_100513BEEP2705.E2	13-MAY-2010	02:20:59.978
EGOI_100513BEEP2711.E2	13-MAY-2010	04:00:23.080
EGOI_100513CMEP7752.E2	13-MAY-2010	03:28:40.878
EGOI_100513GSEP6226.E2	13-MAY-2010	01:54:59.822
EGOI_100513GSEP6257.E2	13-MAY-2010	03:33:39.420
EGOI_100513GSEP6266.E2	13-MAY-2010	05:16:38.556
EGOI_100513KSEP7357.E2	13-MAY-2010	07:15:04.775
EGOI_100513KSEP7377.E2	13-MAY-2010	08:55:02.390
EGOI_100513KSEP7400.E2	13-MAY-2010	10:34:43.500

EGOI_100513KSEP7427.E2	13-MAY-2010	12:14:06.607
EGOI_100513KSEP7455.E2	13-MAY-2010	13:53:04.214
EGOI_100513KSEP7477.E2	13-MAY-2010	15:31:24.316
EGOI_100513KSEP7505.E2	13-MAY-2010	17:08:54.915
EGOI_100513KSEP7536.E2	13-MAY-2010	18:46:57.018
EGOI_100513KSEP7567.E2	13-MAY-2010	20:26:06.621
EGOI_100513KSEP7595.E2	13-MAY-2010	22:07:38.743
EGOI_100513MAEP2167.E2	13-MAY-2010	09:02:20.433
EGOI_100513MAEP2179.E2	13-MAY-2010	10:42:12.043
EGOI_100513MIEP2456.E2	13-MAY-2010	01:53:31.310
EGOI_100513MIEP2483.E2	13-MAY-2010	03:29:01.892
EGOI_100513MIEP2504.E2	13-MAY-2010	05:12:25.021
EGOI_100513MIEP2531.E2	13-MAY-2010	15:49:04.921
EGOI_100513MIEP2557.E2	13-MAY-2010	17:30:11.544
EGOI_100513MSEP5290.E2	13-MAY-2010	00:08:18.669
EGOI_100513MSEP5313.E2	13-MAY-2010	10:48:24.083
EGOI_100513MSEP5341.E2	13-MAY-2010	12:27:29.189
EGOI_100513MSEP5371.E2	13-MAY-2010	21:58:13.188
EGOI_100513MSEP5401.E2	13-MAY-2010	23:36:13.787
EGOI_100513SGEP5590.E2	13-MAY-2010	02:32:48.049
EGOI_100513SGEP5597.E2	13-MAY-2010	04:11:29.150
EGOI_100513SGEP5604.E2	13-MAY-2010	15:06:33.163
EGOI_100513SGEP5611.E2	13-MAY-2010	16:48:06.790

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78747	13-MAY-2010	08:53:36.393	08:55:02.390	85.997000
KS	78748	13-MAY-2010	10:33:13.622	10:34:43.499	89.877000
KS	78749	13-MAY-2010	12:12:38.362	12:14:06.606	88.244000
KS	78750	13-MAY-2010	13:51:32.988	13:53:04.214	91.226000
KS	78751	13-MAY-2010	15:29:40.273	15:31:24.315	104.04200
KS	78752	13-MAY-2010	17:07:22.242	17:08:54.915	92.673000
KS	78753	13-MAY-2010	18:45:33.288	18:46:57.017	83.729000
KS	78754	13-MAY-2010	20:25:05.507	20:26:06.621	61.114000
KS	78755	13-MAY-2010	22:06:38.174	22:07:38.743	60.569000
GS	78743	13-MAY-2010	01:53:51.976	01:54:59.821	67.845000
MS	78742	13-MAY-2010	00:07:04.285	00:08:18.669	74.384000
MS	78748	13-MAY-2010	10:46:51.041	10:48:24.083	93.042000
MS	78749	13-MAY-2010	12:25:52.584	12:27:29.188	96.604000
MS	78755	13-MAY-2010	21:57:13.106	21:58:13.187	60.081000

MS	78756	13-MAY-2010	23:34:58.677	23:36:13.786	75.109000
MI	78743	13-MAY-2010	01:52:29.210	01:53:31.309	62.099000
MI	78744	13-MAY-2010	03:27:35.615	03:29:01.891	86.276000
MI	78751	13-MAY-2010	15:47:46.656	15:49:04.921	78.265000
MI	78752	13-MAY-2010	17:28:57.439	17:30:11.543	74.104000
BE	78743	13-MAY-2010	02:19:21.776	02:20:59.977	98.201000
BE	78744	13-MAY-2010	03:58:51.492	04:00:23.079	91.587000
SG	78743	13-MAY-2010	02:31:24.673	02:32:48.048	83.375000
SG	78744	13-MAY-2010	04:09:58.002	04:11:29.150	91.148000
SG	78750	13-MAY-2010	15:05:07.369	15:06:33.162	85.793000
SG	78751	13-MAY-2010	16:46:30.210	16:48:06.790	96.580000
CM	78744	13-MAY-2010	03:27:10.196	03:28:40.877	90.681000
CM	78744	13-MAY-2010	03:32:52.904	03:38:37.225	344.32100

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78742	13-MAY-2010	01:01:10.967	01:14:35.848	804.88100
MM	78742	13-MAY-2010	01:13:02.611	01:23:17.799	615.18800
KS	78742	13-MAY-2010	00:25:42.626	00:27:23.582	100.95600
MM	78743	13-MAY-2010	02:55:46.938	03:03:45.038	478.10000
MM	78744	13-MAY-2010	04:38:50.570	04:44:50.583	360.01300
CM	78744	13-MAY-2010	05:07:20.385	05:16:57.325	576.94000
MM	78745	13-MAY-2010	06:20:55.813	06:27:13.443	377.63000
MM	78746	13-MAY-2010	08:01:49.875	08:10:18.832	508.95700
JO	78746	13-MAY-2010	07:39:11.657	07:53:35.768	864.11100
MM	78747	13-MAY-2010	09:42:12.202	09:52:52.118	639.91600
JO	78747	13-MAY-2010	09:19:17.253	09:32:14.263	777.01000
MM	78748	13-MAY-2010	11:22:18.787	11:34:23.376	724.58900
MM	78749	13-MAY-2010	13:02:11.898	13:14:52.030	760.13200
HO	78750	13-MAY-2010	14:51:19.937	15:01:02.250	582.31300
MM	78750	13-MAY-2010	14:41:50.038	14:54:32.062	762.02400
GS	78750	13-MAY-2010	14:04:17.488	14:12:37.033	499.54500
BE	78751	13-MAY-2010	15:16:24.769	15:27:51.535	686.76600
MM	78751	13-MAY-2010	16:21:11.840	16:33:45.224	753.38400
GS	78751	13-MAY-2010	15:41:52.422	15:55:44.411	831.98900

CM	78751	13-MAY-2010	15:50:58.362	16:02:31.733	693.37100
MM	78752	13-MAY-2010	18:00:21.344	18:12:54.211	752.86700
GS	78752	13-MAY-2010	17:21:48.513	17:33:37.440	708.92700
CM	78752	13-MAY-2010	17:31:01.013	17:40:32.877	571.86400
MM	78753	13-MAY-2010	19:39:32.858	19:52:14.215	761.35700
MA	78753	13-MAY-2010	18:44:46.007	18:48:51.800	245.79300
JO	78753	13-MAY-2010	19:59:17.786	20:13:14.488	836.70200
MM	78754	13-MAY-2010	21:19:09.015	21:31:50.548	761.53300
MA	78754	13-MAY-2010	20:17:34.839	20:31:22.266	827.42700
JO	78754	13-MAY-2010	21:38:36.360	21:52:18.394	822.03400
HO	78755	13-MAY-2010	22:50:51.277	23:04:01.985	790.70800
MM	78755	13-MAY-2010	22:59:32.007	23:11:42.269	730.26200
MA	78755	13-MAY-2010	21:58:48.610	22:09:54.420	665.81000

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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

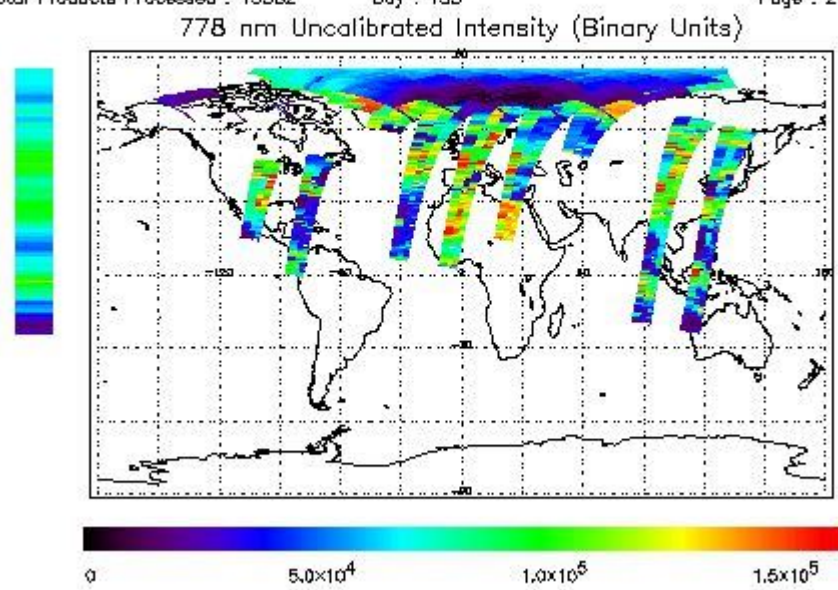
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 13-MAY-2010 00:08:18.668 : ORBIT : 78742.0108  
 Last Product : 13-MAY-2010 23:49:45.368 : ORBIT : 78756.1408  
 Total Products Processed : 15582 Day : 133 Page : 21

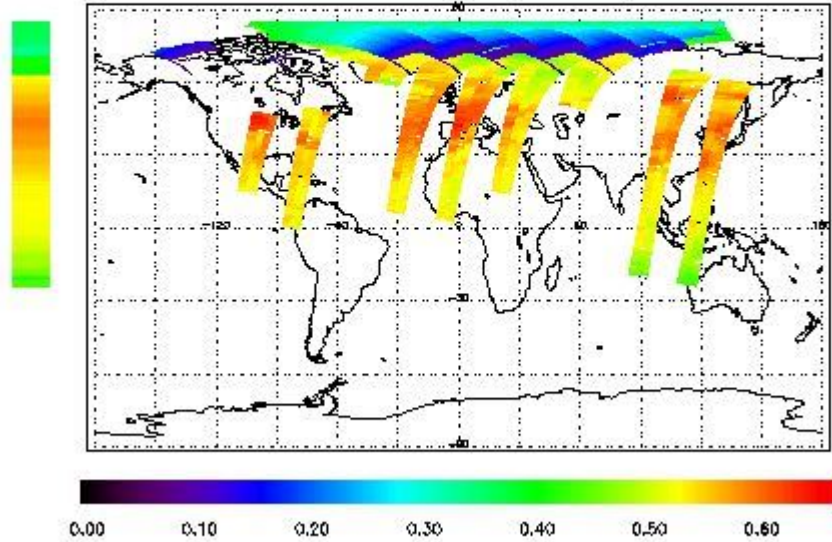


### Ozone Line Ratio

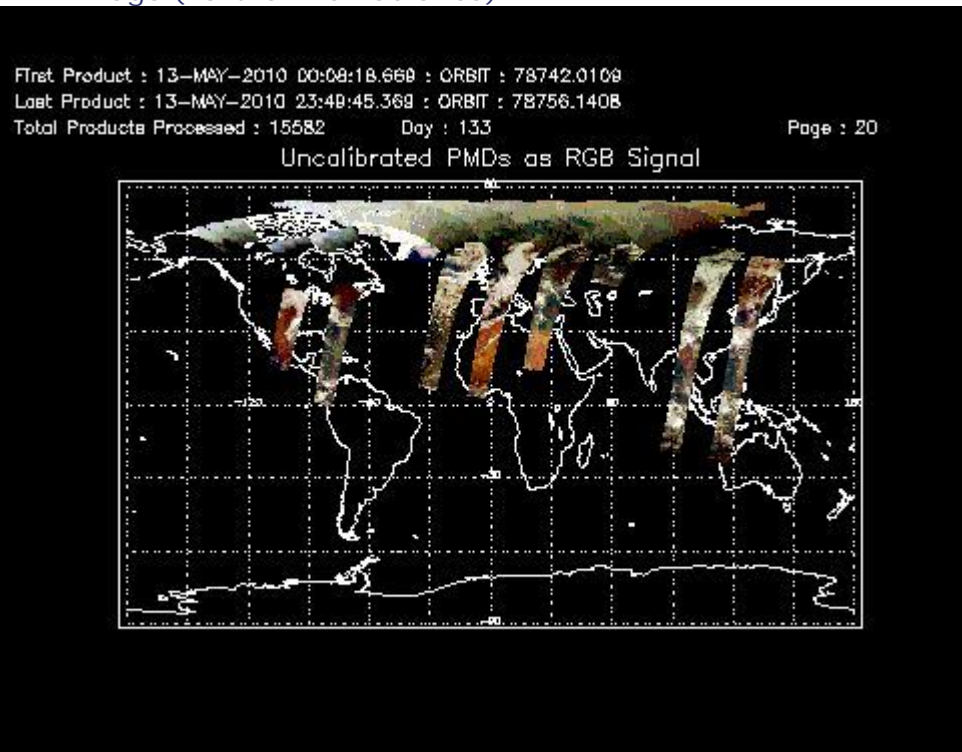
First Product : 13-MAY-2010 00:08:18.668 : ORBIT : 78742.0108  
 Last Product : 13-MAY-2010 23:48:45.368 : ORBIT : 78756.1408  
 Total Products Processed : 15582 Day : 133

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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
--	--	--

### 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