

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-JAN-2010
Start Time of First Product	00:09:03
Stop Time of Last Product	23:50:33
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Quarterly Calibration operated during orbits 77246 - 77251

1.2 - List of received products

Name	Date	Time
EGOI_100128CMEP6395.E2	28-JAN-2010	03:28:28.143
EGOI_100128CMEP6400.E2	28-JAN-2010	05:12:04.777
EGOI_100128CMEP6408.E2	28-JAN-2010	15:52:22.228
EGOI_100128CMEP6413.E2	28-JAN-2010	17:32:04.844
EGOI_100128GSEP8372.E2	28-JAN-2010	01:55:26.067
EGOI_100128GSEP8403.E2	28-JAN-2010	03:34:28.174
EGOI_100128GSEP8411.E2	28-JAN-2010	05:17:25.808
EGOI_100128KSEP9648.E2	28-JAN-2010	07:15:52.040
EGOI_100128KSEP9671.E2	28-JAN-2010	08:55:51.160

EGOI_100128KSEP9696.E2	28-JAN-2010	10:35:30.775
EGOI_100128KSEP9726.E2	28-JAN-2010	12:14:55.387
EGOI_100128KSEP9756.E2	28-JAN-2010	13:53:54.499
EGOI_100128KSEP9785.E2	28-JAN-2010	15:32:11.603
EGOI_100128KSEP9815.E2	28-JAN-2010	17:09:42.211
EGOI_100128KSEP9848.E2	28-JAN-2010	18:47:44.319
EGOI_100128KSEP9884.E2	28-JAN-2010	20:26:52.435
EGOI_100128KSEP9915.E2	28-JAN-2010	22:08:26.063
EGOI_100128MAEP8306.E2	28-JAN-2010	09:03:09.203
EGOI_100128MAEP8319.E2	28-JAN-2010	10:43:00.815
EGOI_100128MIEP1612.E2	28-JAN-2010	01:54:27.559
EGOI_100128MIEP1639.E2	28-JAN-2010	03:30:13.150
EGOI_100128MIEP1661.E2	28-JAN-2010	05:13:15.281
EGOI_100128MIEP1670.E2	28-JAN-2010	15:49:56.713
EGOI_100128MIEP1690.E2	28-JAN-2010	17:31:03.336
EGOI_100128MSEP2986.E2	28-JAN-2010	00:09:02.907
EGOI_100128MSEP3013.E2	28-JAN-2010	10:49:14.354
EGOI_100128MSEP3041.E2	28-JAN-2010	12:28:17.967
EGOI_100128MSEP3070.E2	28-JAN-2010	21:59:03.504
EGOI_100128MSEP3101.E2	28-JAN-2010	23:37:04.116
EGOI_100128SGEP3271.E2	28-JAN-2010	15:07:26.446
EGOI_100128SGEP3277.E2	28-JAN-2010	16:49:00.078

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77243	28-JAN-2010	07:14:06.286	07:15:52.040	105.75400
KS	77244	28-JAN-2010	08:53:36.392	08:55:51.159	134.76700
KS	77245	28-JAN-2010	10:33:13.622	10:35:30.775	137.15300
KS	77246	28-JAN-2010	12:12:38.362	12:14:55.386	137.02400
KS	77247	28-JAN-2010	13:51:32.988	13:53:54.499	141.51100
KS	77248	28-JAN-2010	15:29:40.272	15:32:11.603	151.33100
KS	77249	28-JAN-2010	17:07:22.241	17:09:42.211	139.97000
KS	77250	28-JAN-2010	18:45:33.287	18:47:44.319	131.03200
KS	77251	28-JAN-2010	20:25:05.507	20:26:52.434	106.92700
KS	77252	28-JAN-2010	22:06:38.174	22:08:26.062	107.88800
KS	77253	28-JAN-2010	23:51:09.329	23:52:26.709	77.380000
GS	77240	28-JAN-2010	01:53:51.976	01:55:26.067	94.091000
GS	77241	28-JAN-2010	03:32:50.703	03:34:28.174	97.471000
MS	77239	28-JAN-2010	00:07:04.285	00:09:02.907	118.62200
MS	77245	28-JAN-2010	10:46:51.041	10:49:14.354	143.31300

MS	77246	28-JAN-2010	12:25:52.584	12:28:17.966	145.38200
MS	77252	28-JAN-2010	21:57:13.106	21:59:03.504	110.39800
MS	77253	28-JAN-2010	23:34:58.677	23:37:04.115	125.43800
MA	77245	28-JAN-2010	10:41:16.589	10:43:00.815	104.22600
MI	77240	28-JAN-2010	01:52:29.210	01:54:27.559	118.34900
MI	77241	28-JAN-2010	03:27:35.615	03:30:13.149	157.53400
MI	77242	28-JAN-2010	05:11:27.398	05:13:15.281	107.88300
MI	77248	28-JAN-2010	15:47:46.655	15:49:56.713	130.05800
MI	77249	28-JAN-2010	17:28:57.438	17:31:03.335	125.89700
SG	77247	28-JAN-2010	15:05:07.369	15:07:26.445	139.07600
SG	77248	28-JAN-2010	16:46:30.209	16:49:00.078	149.86900
CM	77241	28-JAN-2010	03:27:10.196	03:28:28.142	77.946000
CM	77248	28-JAN-2010	15:50:58.361	15:52:22.228	83.867000
CM	77248	28-JAN-2010	16:00:19.274	16:02:31.732	132.45800
CM	77249	28-JAN-2010	17:31:01.012	17:32:04.843	63.831000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77239	28-JAN-2010	01:01:10.967	01:14:35.848	804.88100
MM	77239	28-JAN-2010	01:13:02.611	01:23:17.799	615.18800
KS	77239	28-JAN-2010	00:25:42.626	00:27:23.582	100.95600
BE	77240	28-JAN-2010	02:19:21.776	02:32:03.906	762.13000
MM	77240	28-JAN-2010	02:55:46.938	03:03:45.038	478.10000
SG	77240	28-JAN-2010	02:31:24.673	02:43:00.805	696.13200
BE	77241	28-JAN-2010	03:58:51.492	04:11:03.557	732.06500
MM	77241	28-JAN-2010	04:38:50.570	04:44:50.583	360.01300
SG	77241	28-JAN-2010	04:09:58.002	04:22:40.274	762.27200
MM	77242	28-JAN-2010	06:20:55.812	06:27:13.442	377.63000
MM	77243	28-JAN-2010	08:01:49.874	08:10:18.831	508.95700
JO	77243	28-JAN-2010	07:39:11.656	07:53:35.767	864.11100
MM	77244	28-JAN-2010	09:42:12.201	09:52:52.117	639.91600
JO	77244	28-JAN-2010	09:19:17.252	09:32:14.262	777.01000
MM	77245	28-JAN-2010	11:22:18.787	11:34:23.376	724.58900
MM	77246	28-JAN-2010	13:02:11.898	13:14:52.030	760.13200
HO	77247	28-JAN-2010	14:51:19.937	15:01:02.250	582.31300

MM	77247	28-JAN-2010	14:41:50.038	14:54:32.062	762.02400
GS	77247	28-JAN-2010	14:04:17.488	14:12:37.033	499.54500
BE	77248	28-JAN-2010	15:16:24.768	15:27:51.534	686.76600
MM	77248	28-JAN-2010	16:21:11.839	16:33:45.223	753.38400
GS	77248	28-JAN-2010	15:41:52.421	15:55:44.410	831.98900
MM	77249	28-JAN-2010	18:00:21.343	18:12:54.210	752.86700
GS	77249	28-JAN-2010	17:21:48.512	17:33:37.439	708.92700
MM	77250	28-JAN-2010	19:39:32.857	19:52:14.214	761.35700
MA	77250	28-JAN-2010	18:44:46.006	18:48:51.799	245.79300
JO	77250	28-JAN-2010	19:59:17.785	20:13:14.487	836.70200
MM	77251	28-JAN-2010	21:19:09.015	21:31:50.548	761.53300
MA	77251	28-JAN-2010	20:17:34.839	20:31:22.266	827.42700
JO	77251	28-JAN-2010	21:38:36.360	21:52:18.394	822.03400
HO	77252	28-JAN-2010	22:50:51.277	23:04:01.985	790.70800
MM	77252	28-JAN-2010	22:59:32.007	23:11:42.269	730.26200

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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

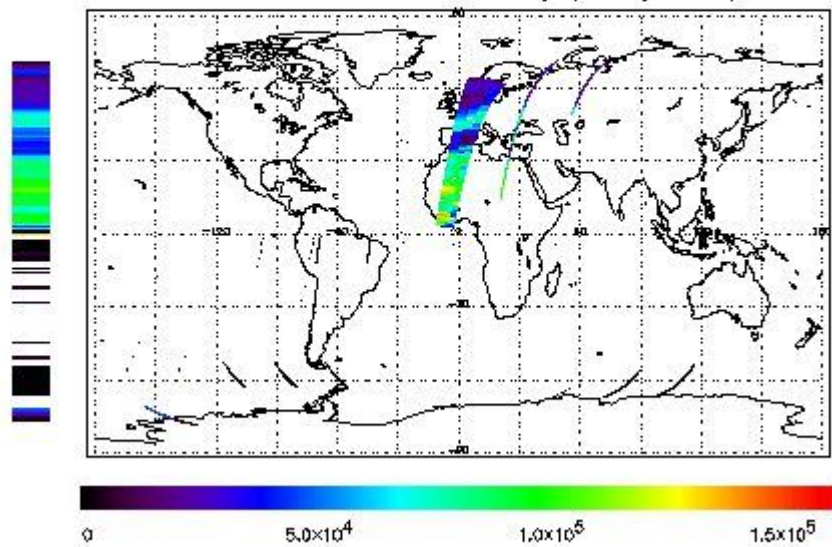
2.2 - Daily Plots

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 : 28-JAN-2010 00:09:02.907 : ORBIT : 77239.0183
 Last Product : 28-JAN-2010 23:50:32.698 : ORBIT : 77253.1486
 Total Products Processed : 14927 Day : 28 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

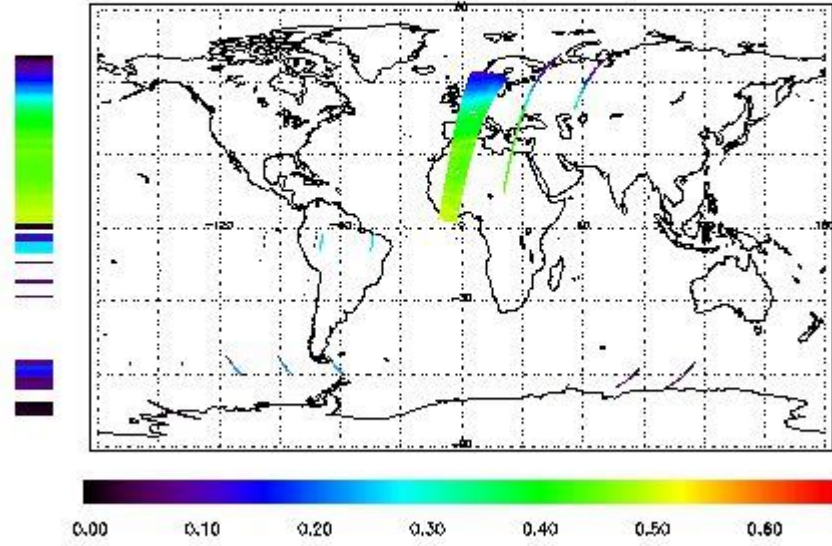


Ozone Line Ratio

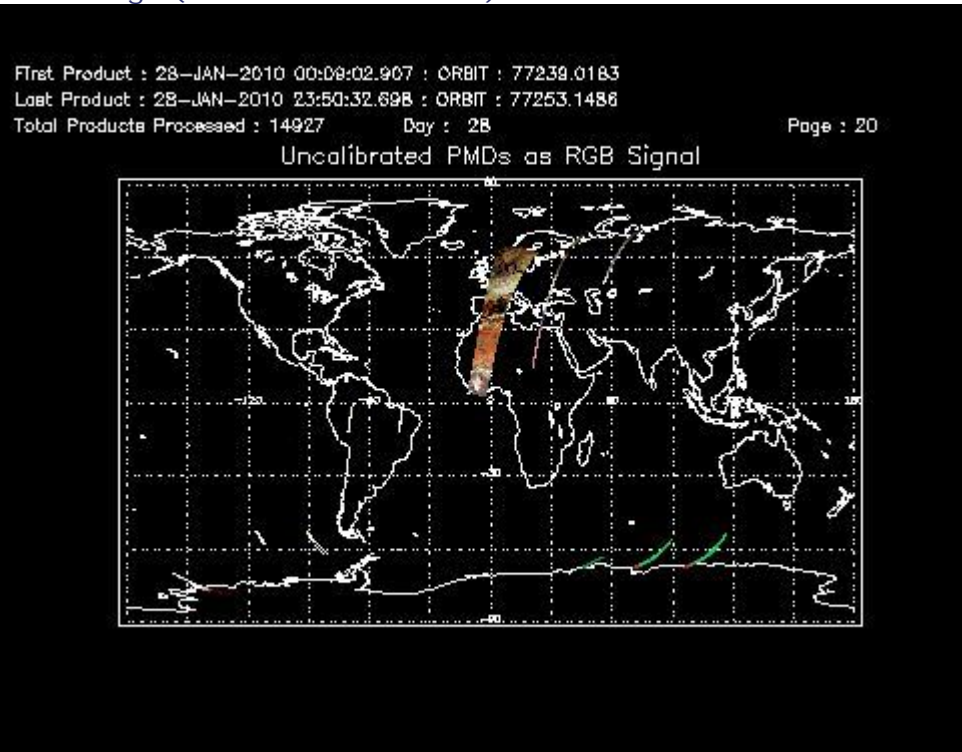
First Product : 28-JAN-2010 00:09:02.907 : ORBIT : 77239.0183
 Last Product : 28-JAN-2010 23:50:32.698 : ORBIT : 77253.1486
 Total Products Processed : 14927 Day : 28

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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	10:39:41.294	--	77245	Yes	--	15698

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)
Q	12:22:36	12:32:31	77246	Yes	--	--	--
Q	14:03:13	14:06:11	77247	No End	--	--	--

Q	15:12:37	15:21:12	77248	No End	--	--	--
Q	15:43:49	15:53:42	77248	Yes	--	--	--
Q	16:53:14	16:55:14	77248	Yes	--	--	--
Q	17:09:42	17:12:03	77249	No Start	--	--	--
Q	17:31:03	17:34:18	77249	No Start	--	--	--
Q	18:47:44	18:52:40	77250	No Start	--	--	--
Q	20:26:52	20:33:15	77251	No Start	--	--	--

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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
09:00:00	10:30:00	77244	77244	Yes

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