

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-JAN-2010
Start Time of First Product	00:57:20
Stop Time of Last Product	23:07:00
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100117BEEP1684.E2	17-JAN-2010	04:47:53.308
EGOI_100117GSEP7547.E2	17-JAN-2010	01:03:30.926
EGOI_100117GSEP7579.E2	17-JAN-2010	02:40:19.517
EGOI_100117GSEP7607.E2	17-JAN-2010	04:21:41.144
EGOI_100117GSEP7615.E2	17-JAN-2010	06:03:49.275
EGOI_100117HLEP4963.E2	17-JAN-2010	22:04:35.711
EGOI_100117KSEP6798.E2	17-JAN-2010	08:01:50.004
EGOI_100117KSEP6816.E2	17-JAN-2010	09:41:28.120
EGOI_100117KSEP6855.E2	17-JAN-2010	11:21:04.736

EGOI_100117KSEP6887.E2	17-JAN-2010	13:00:15.848
EGOI_100117KSEP6901.E2	17-JAN-2010	14:39:04.461
EGOI_100117KSEP6926.E2	17-JAN-2010	16:16:44.061
EGOI_100117KSEP6958.E2	17-JAN-2010	17:54:49.174
EGOI_100117KSEP6994.E2	17-JAN-2010	19:32:45.274
EGOI_100117KSEP7029.E2	17-JAN-2010	21:13:06.894
EGOI_100117KSEP7058.E2	17-JAN-2010	22:55:39.025
EGOI_100117MAEP7952.E2	17-JAN-2010	09:48:53.663
EGOI_100117MIEP0503.E2	17-JAN-2010	02:36:55.498
EGOI_100117MIEP0532.E2	17-JAN-2010	04:15:45.605
EGOI_100117MIEP0558.E2	17-JAN-2010	14:57:09.070
EGOI_100117MIEP0587.E2	17-JAN-2010	16:35:41.180
EGOI_100117MSEP1681.E2	17-JAN-2010	00:57:20.387
EGOI_100117MSEP1696.E2	17-JAN-2010	09:57:32.723
EGOI_100117MSEP1721.E2	17-JAN-2010	11:34:09.320
EGOI_100117MSEP1745.E2	17-JAN-2010	13:14:56.440
EGOI_100117MSEP1778.E2	17-JAN-2010	22:43:01.451
EGOI_100117SGEP3001.E2	17-JAN-2010	03:18:04.752
EGOI_100117SGEP3008.E2	17-JAN-2010	04:59:33.879
EGOI_100117SGEP3014.E2	17-JAN-2010	14:15:23.812
EGOI_100117SGEP3020.E2	17-JAN-2010	15:52:57.416

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77086	17-JAN-2010	07:59:32.735	08:01:50.003	137.26800
KS	77087	17-JAN-2010	09:39:09.320	09:41:28.120	138.80000
KS	77088	17-JAN-2010	11:18:42.946	11:21:04.736	141.79000
KS	77089	17-JAN-2010	12:57:55.974	13:00:15.847	139.87300
KS	77090	17-JAN-2010	14:36:40.224	14:39:04.461	144.23700
KS	77091	17-JAN-2010	16:14:20.589	16:16:44.061	143.47200
KS	77092	17-JAN-2010	17:52:14.117	17:54:49.174	155.05700
KS	77093	17-JAN-2010	19:30:50.873	19:32:45.274	114.40100
KS	77094	17-JAN-2010	21:11:13.426	21:13:06.893	113.46700
KS	77095	17-JAN-2010	22:53:56.076	22:55:39.025	102.94900
GS	77082	17-JAN-2010	01:02:03.326	01:03:30.926	87.600000
GS	77083	17-JAN-2010	02:38:34.127	02:40:19.517	105.39000
GS	77084	17-JAN-2010	04:19:45.927	04:21:41.144	115.21700
MS	77088	17-JAN-2010	11:31:39.587	11:34:09.320	149.73300
MS	77089	17-JAN-2010	13:12:35.922	13:14:56.440	140.51800
MS	77095	17-JAN-2010	22:41:05.869	22:43:01.450	115.58100

MA	77087	17-JAN-2010	09:47:12.107	09:48:53.663	101.55600
MI	77083	17-JAN-2010	02:34:44.138	02:36:55.498	131.36000
MI	77084	17-JAN-2010	04:13:37.845	04:15:45.605	127.76000
MI	77090	17-JAN-2010	14:54:58.634	14:57:09.069	130.43500
MI	77091	17-JAN-2010	16:33:21.958	16:35:41.180	139.22200
BE	77084	17-JAN-2010	04:45:15.028	04:47:53.308	158.28000
SG	77083	17-JAN-2010	03:15:37.139	03:18:04.752	147.61300
SG	77084	17-JAN-2010	04:57:53.715	04:59:33.878	100.16300
SG	77089	17-JAN-2010	14:13:23.181	14:15:23.811	120.63000
SG	77090	17-JAN-2010	15:50:29.281	15:52:57.415	148.13400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77081	17-JAN-2010	00:06:25.021	00:21:00.591	875.57000
MM	77081	17-JAN-2010	00:17:40.129	00:28:53.724	673.59500
HO	77082	17-JAN-2010	01:48:58.529	01:58:53.224	594.69500
MM	77082	17-JAN-2010	01:59:54.551	02:09:10.283	555.73200
BE	77083	17-JAN-2010	03:04:32.962	03:17:57.850	804.88800
MM	77083	17-JAN-2010	03:42:55.685	03:49:50.688	415.00300
CM	77083	17-JAN-2010	02:37:11.044	02:41:41.274	270.23000
CM	77083	17-JAN-2010	04:11:58.376	04:24:21.798	743.42200
MM	77084	17-JAN-2010	05:25:41.635	05:31:28.375	346.74000
MM	77085	17-JAN-2010	07:07:09.427	07:14:21.174	431.74700
KS	77085	17-JAN-2010	06:20:27.009	06:27:23.609	416.60000
JO	77085	17-JAN-2010	06:47:35.882	06:58:19.702	643.82000
MM	77086	17-JAN-2010	08:47:45.399	08:57:18.503	573.10400
MA	77086	17-JAN-2010	08:09:14.887	08:19:15.547	600.66000
JO	77086	17-JAN-2010	08:24:11.518	08:39:11.027	899.50900
MM	77087	17-JAN-2010	10:27:59.722	10:39:24.876	685.15400
JO	77087	17-JAN-2010	10:08:17.578	10:14:45.647	388.06900
MM	77088	17-JAN-2010	12:08:00.226	12:20:26.508	746.28200
MA	77088	17-JAN-2010	11:28:24.912	11:36:24.448	479.53600
HO	77089	17-JAN-2010	13:56:25.429	14:10:23.664	838.23500
MM	77089	17-JAN-2010	13:47:46.748	14:00:30.605	763.85700
SG	77089	17-JAN-2010	14:13:23.181	14:22:58.093	574.91200

BE	77090	17-JAN-2010	14:21:13.262	14:34:34.142	800.88000
MM	77090	17-JAN-2010	15:27:17.417	15:39:55.397	757.98000
GS	77090	17-JAN-2010	14:48:22.351	15:00:39.883	737.53200
CM	77090	17-JAN-2010	15:00:41.798	15:04:38.458	236.66000
BE	77091	17-JAN-2010	16:05:11.996	16:11:05.737	353.74100
MM	77091	17-JAN-2010	17:06:32.527	17:19:04.113	751.58600
GS	77091	17-JAN-2010	16:27:22.180	16:41:01.777	819.59700
CM	77091	17-JAN-2010	16:35:57.337	16:48:19.045	741.70800
MM	77092	17-JAN-2010	18:45:40.533	18:58:16.894	756.36100
GS	77092	17-JAN-2010	18:08:09.438	18:16:43.416	513.97800
JO	77092	17-JAN-2010	19:07:49.976	19:16:08.744	498.76800
MM	77093	17-JAN-2010	20:25:00.304	20:37:44.202	763.89800
MA	77093	17-JAN-2010	19:27:03.329	19:36:24.602	561.27300
JO	77093	17-JAN-2010	20:44:14.169	20:59:15.808	901.63900
MM	77094	17-JAN-2010	22:04:55.456	22:17:27.858	752.40200
MA	77094	17-JAN-2010	21:03:00.740	21:16:26.904	806.16400
JO	77094	17-JAN-2010	22:25:28.735	22:35:15.632	586.89700
HO	77095	17-JAN-2010	23:35:21.110	23:49:44.160	863.05000
MM	77095	17-JAN-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

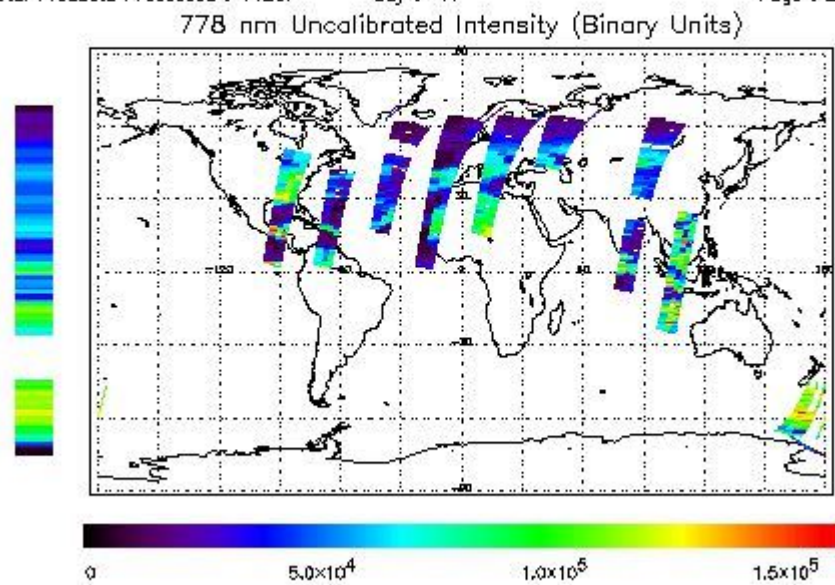
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected 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 : 17-JAN-2010 00:57:20.387 : ORBIT : 77082.0412
 Last Product : 17-JAN-2010 23:07:00.095 : ORBIT : 77095.2586
 Total Products Processed : 14267 Day : 17 Page : 21

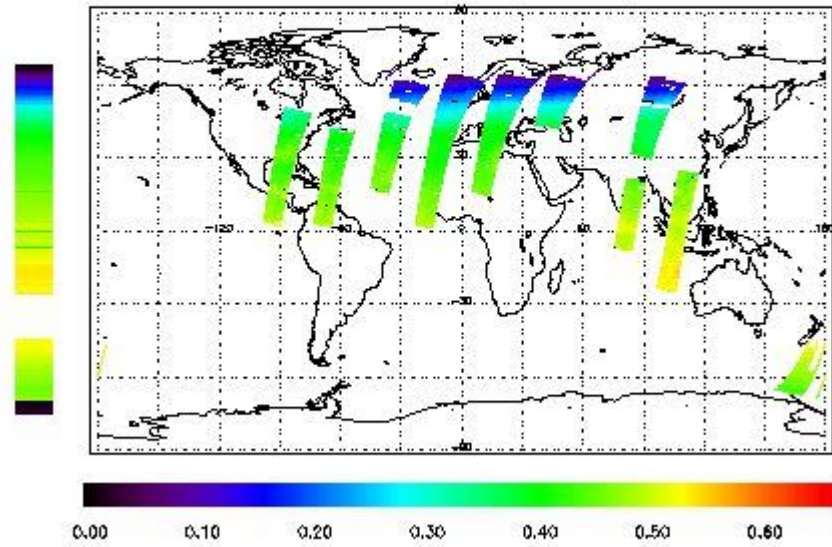


Ozone Line Ratio

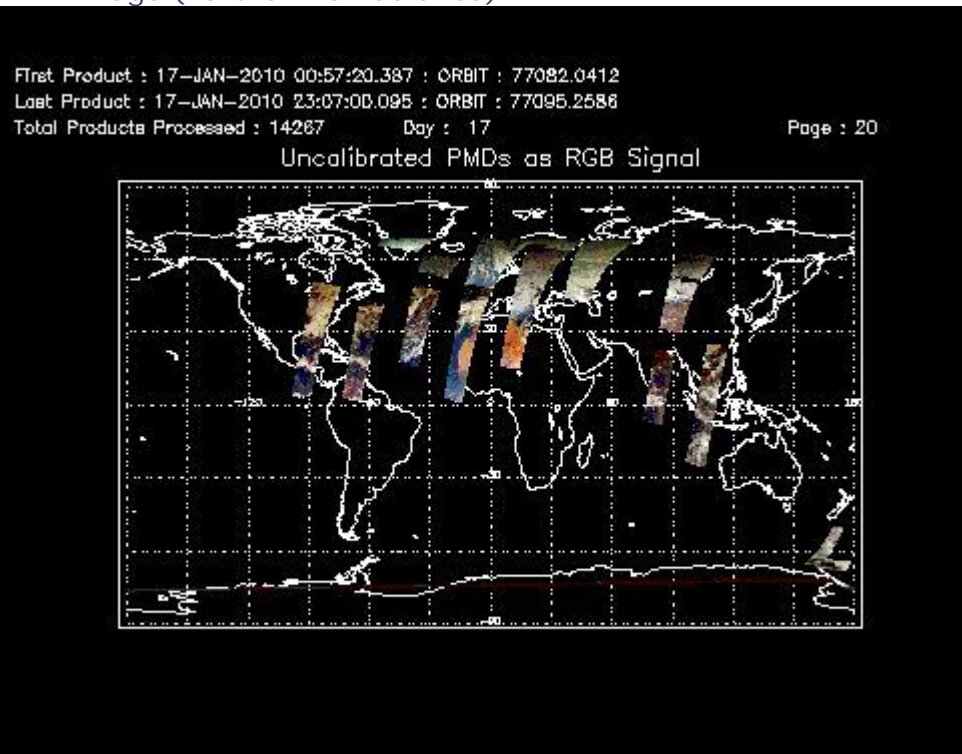
First Product : 17-JAN-2010 00:57:20.387 : ORBIT : 77082.0412
 Last Product : 17-JAN-2010 23:07:00.095 : ORBIT : 77095.2588
 Total Products Processed : 14287 Day : 17

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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	13:07:05.391	--	77089	Yes	--	15677

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