

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-OCT_-2010
Start Time of First Product	00:14:59
Stop Time of Last Product	23:19:54
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_101003GSEP6337.E2	03-OCT-2010	02:01:02.840
EGOI_101003GSEP6368.E2	03-OCT-2010	03:40:18.447
EGOI_101003GSEP6376.E2	03-OCT-2010	05:36:01.161
EGOI_101003KSEP9275.E2	03-OCT-2010	07:21:31.803
EGOI_101003KSEP9294.E2	03-OCT-2010	09:01:35.413
EGOI_101003KSEP9315.E2	03-OCT-2010	10:41:15.028
EGOI_101003KSEP9342.E2	03-OCT-2010	12:20:36.639
EGOI_101003KSEP9370.E2	03-OCT-2010	13:59:35.741
EGOI_101003KSEP9395.E2	03-OCT-2010	15:37:43.845

EGOI_101003KSEP9424.E2	03-OCT-2010	17:15:26.445
EGOI_101003KSEP9456.E2	03-OCT-2010	18:53:19.548
EGOI_101003KSEP9487.E2	03-OCT-2010	20:32:38.152
EGOI_101003KSEP9515.E2	03-OCT-2010	22:14:22.278
EGOI_101003MAEP7848.E2	03-OCT-2010	09:09:02.460
EGOI_101003MAEP7859.E2	03-OCT-2010	10:48:46.571
EGOI_101003MAEP7879.E2	03-OCT-2010	22:06:26.731
EGOI_101003MIEP2312.E2	03-OCT-2010	01:59:31.332
EGOI_101003MIEP2339.E2	03-OCT-2010	03:36:37.927
EGOI_101003MIEP2358.E2	03-OCT-2010	05:19:56.558
EGOI_101003MIEP2377.E2	03-OCT-2010	15:55:37.950
EGOI_101003MIEP2395.E2	03-OCT-2010	17:37:01.074
EGOI_101003MMEP6008.E2	03-OCT-2010	01:20:05.590
EGOI_101003MMEP6015.E2	03-OCT-2010	03:02:36.220
EGOI_101003MMEP6023.E2	03-OCT-2010	04:45:17.347
EGOI_101003MMEP6032.E2	03-OCT-2010	08:12:29.111
EGOI_101003MMEP6042.E2	03-OCT-2010	18:08:38.770
EGOI_101003MMEP6048.E2	03-OCT-2010	19:47:09.377
EGOI_101003MMEP6055.E2	03-OCT-2010	21:26:54.984
EGOI_101003MMEP6065.E2	03-OCT-2010	23:06:45.096
EGOI_101003MSEP1633.E2	03-OCT-2010	00:14:59.190
EGOI_101003MSEP1655.E2	03-OCT-2010	10:54:42.106
EGOI_101003MSEP1683.E2	03-OCT-2010	12:34:02.221
EGOI_101003MSEP1710.E2	03-OCT-2010	22:04:29.720

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80793	03-OCT-2010	07:19:46.643	07:21:31.803	105.16000
KS	80794	03-OCT-2010	08:59:17.991	09:01:35.412	137.42100
KS	80795	03-OCT-2010	10:38:54.962	10:41:15.028	140.06600
KS	80796	03-OCT-2010	12:18:18.459	12:20:36.639	138.18000
KS	80797	03-OCT-2010	13:57:12.507	13:59:35.741	143.23400
KS	80798	03-OCT-2010	15:35:15.524	15:37:43.844	148.32000
KS	80799	03-OCT-2010	17:13:03.624	17:15:26.444	142.82000
KS	80800	03-OCT-2010	18:51:11.965	18:53:19.547	127.58200
KS	80801	03-OCT-2010	20:30:50.056	20:32:38.152	108.09600
KS	80802	03-OCT-2010	22:12:30.840	22:14:22.278	111.43800
KS	80803	03-OCT-2010	23:57:17.100	23:58:52.921	95.821000
GS	80790	03-OCT-2010	01:59:24.256	02:01:02.839	98.583000
GS	80791	03-OCT-2010	03:38:38.445	03:40:18.446	100.00100

MS	80789	03-OCT-2010	00:12:59.991	00:14:59.189	119.19800
MS	80795	03-OCT-2010	10:52:20.011	10:54:42.105	142.09400
MS	80796	03-OCT-2010	12:31:36.407	12:34:02.220	145.81300
MS	80802	03-OCT-2010	22:02:36.664	22:04:29.720	113.05600
MS	80803	03-OCT-2010	23:40:45.438	23:42:49.822	124.38400
MA	80794	03-OCT-2010	09:07:51.894	09:09:02.459	70.565000
MA	80795	03-OCT-2010	10:47:02.173	10:48:46.571	104.39800
MA	80802	03-OCT-2010	22:05:21.922	22:06:26.731	64.809000
MI	80790	03-OCT-2010	01:57:32.479	01:59:31.332	118.85300
MI	80791	03-OCT-2010	03:33:16.254	03:36:37.927	201.67300
MI	80792	03-OCT-2010	05:18:28.213	05:19:56.557	88.344000
MI	80798	03-OCT-2010	15:53:25.703	15:55:37.950	132.24700
MI	80799	03-OCT-2010	17:34:59.823	17:37:01.073	121.25000
MM	80789	03-OCT-2010	01:18:53.437	01:20:05.589	72.152000
MM	80793	03-OCT-2010	08:07:34.602	08:12:29.110	294.50800
MM	80799	03-OCT-2010	18:06:01.188	18:08:38.770	157.58200
MM	80800	03-OCT-2010	19:45:13.460	19:47:09.376	115.91600
MM	80801	03-OCT-2010	21:24:51.742	21:26:54.984	123.24200
MM	80802	03-OCT-2010	23:05:17.953	23:06:45.095	87.142000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80789	03-OCT-2010	01:06:59.628	01:20:11.188	791.56000
BE	80790	03-OCT-2010	02:24:58.690	02:37:52.032	773.34200
SG	80790	03-OCT-2010	02:36:50.175	02:48:54.607	724.43200
CM	80790	03-OCT-2010	03:32:40.891	03:44:24.303	703.41200
BE	80791	03-OCT-2010	04:04:36.985	04:16:33.404	716.41900
SG	80791	03-OCT-2010	04:15:48.465	04:28:08.881	740.41600
CM	80791	03-OCT-2010	05:13:22.242	05:22:18.677	536.43500
MM	80792	03-OCT-2010	06:26:43.257	06:33:06.594	383.33700
JO	80793	03-OCT-2010	07:44:45.126	07:59:20.072	874.94600
MM	80794	03-OCT-2010	09:47:55.804	09:58:41.961	646.15700
JO	80794	03-OCT-2010	09:25:13.315	09:37:43.295	749.98000
MM	80795	03-OCT-2010	11:28:01.621	11:40:09.475	727.85400
MM	80796	03-OCT-2010	13:07:53.930	13:20:34.875	760.94500

HO	80797	03-OCT-2010	14:57:09.858	15:06:27.821	557.96300
MM	80797	03-OCT-2010	14:47:31.154	15:00:12.740	761.58600
MI	80797	03-OCT-2010	14:19:11.823	14:21:27.264	135.44100
GS	80797	03-OCT-2010	14:09:41.975	14:18:45.794	543.81900
SG	80797	03-OCT-2010	15:10:43.200	15:24:27.420	824.22000
BE	80798	03-OCT-2010	15:22:20.787	15:33:23.582	662.79500
MM	80798	03-OCT-2010	16:26:52.055	16:39:25.084	753.02900
GS	80798	03-OCT-2010	15:47:32.553	16:01:27.094	834.54100
SG	80798	03-OCT-2010	16:52:40.113	17:00:40.571	480.45800
CM	80798	03-OCT-2010	15:56:31.395	16:08:20.523	709.12800
GS	80799	03-OCT-2010	17:27:34.153	17:39:04.764	690.61100
CM	80799	03-OCT-2010	17:36:57.920	17:45:51.225	533.30500
MA	80800	03-OCT-2010	18:50:20.597	18:54:34.886	254.28900
JO	80800	03-OCT-2010	20:04:51.776	20:19:04.103	852.32700
MA	80801	03-OCT-2010	20:23:10.873	20:36:57.639	826.76600
JO	80801	03-OCT-2010	21:44:23.702	21:57:46.825	803.12300
HO	80802	03-OCT-2010	22:56:27.378	23:09:45.921	798.54300

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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	Polar View operated
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

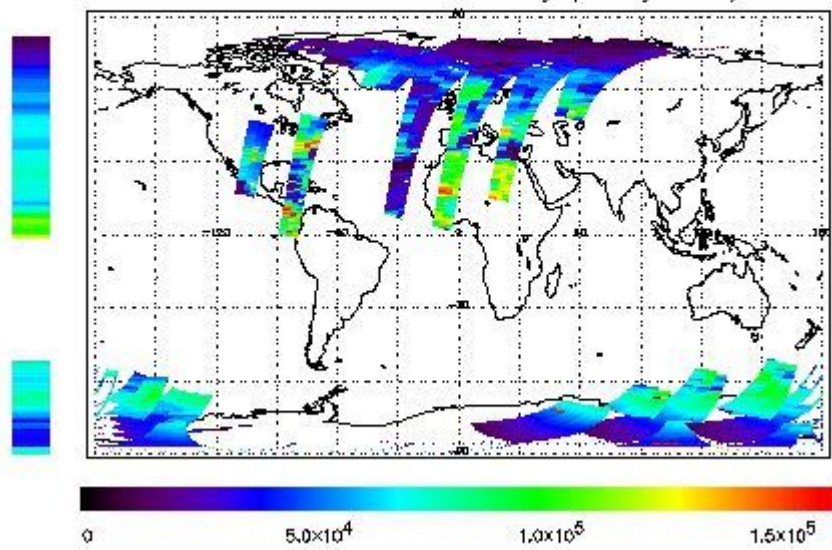
2.2 - Daily Plots

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

Fret Product : 03-OCT-2010 00:14:59.190 : ORBIT : 80789.0201
 Last Product : 03-OCT-2010 23:19:54.178 : ORBIT : 80802.7869
 Total Products Processed : 15265 Day : 276 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

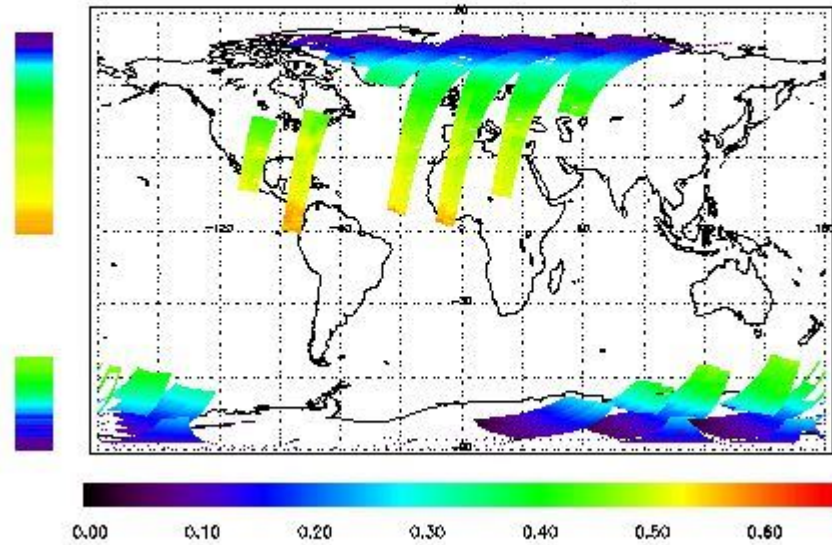


Ozone Line Ratio

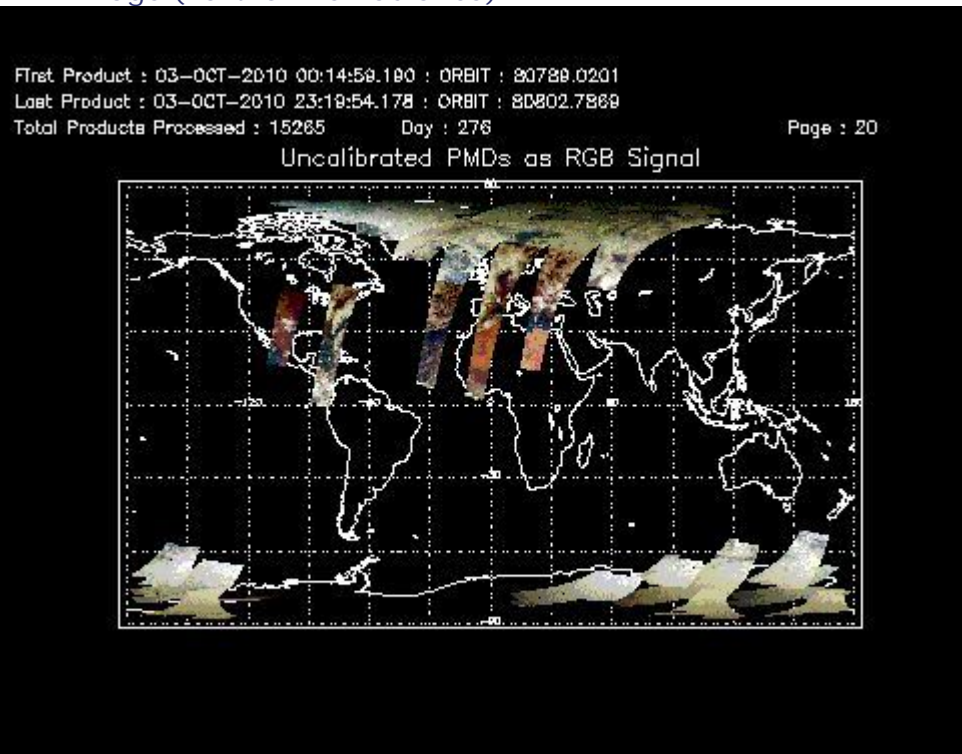
First Product : 03-OCT-2010 00:14:59.190 : ORBIT : 80789.0201
 Last Product : 03-OCT-2010 23:19:54.178 : ORBIT : 80802.7869
 Total Products Processed : 15265 Day : 276

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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	14:34:00.127	--	80797	Yes	--	15265

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
--	--	--	--	--	--

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
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

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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