ASUSTeK Computer Inc.
ASUS RS100-E10(P11C-M/4L) Server System
(3.50 GHz, Intel Xeon E-2134)

CPU2017 License: 9016
Test Sponsor: ASUSTeK Computer Inc.
Tested by: ASUSTeK Computer Inc.

SPECraten2017_int_base = 34.3
SPECraten2017_int_peak = 35.7

Hardware

CPU Name: Intel Xeon E-2134
Max MHz: 4500
Nominal: 3500
Enabled: 4 cores, 1 chip, 2 threads/core
Orderable: 1 chip
Cache L1: 32 KB I + 32 KB D on chip per core
L2: 256 KB I+D on chip per core
L3: 8 MB I+D on chip per chip
Other: None
Memory: 64 GB (4 x 16 GB 2Rx8 PC4-2666V-E)
Storage: 1 x 500 GB SATA HDD, 7200RPM
Other: None

Software

OS: SUSE Linux Enterprise Server 15
Kernel: 4.12.14-150.17-default
Compiler: C/C++: Version 19.0.4.227 of Intel C/C++ Compiler Build 20190416 for Linux;
Fortran: Version 19.0.4.227 of Intel Fortran Compiler Build 20190416 for Linux
Parallel: No
Firmware: Version 0703 released Jun-2019
File System: xfs
System State: Run level 3 (multi-user)
Base Pointers: 64-bit
Peak Pointers: 32/64-bit
Other: jemalloc: jemalloc memory allocator library V5.0.1
Power Management: --
ASUSTeK Computer Inc.
ASUS RS100-E10(P11C-M/4L) Server System
(3.50 GHz, Intel Xeon E-2134)

SPECrate®2017_int_base = 34.3
SPECrate®2017_int_peak = 35.7

Results Table

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Copies</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Copies</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>500.perlbench_r</td>
<td>8</td>
<td>470</td>
<td>27.1</td>
<td>470</td>
<td>27.1</td>
<td>469</td>
<td>27.2</td>
<td>8</td>
<td>404</td>
<td>31.5</td>
<td>403</td>
<td>31.6</td>
<td>403</td>
<td>31.6</td>
</tr>
<tr>
<td>502.gcc_r</td>
<td>8</td>
<td>359</td>
<td>31.5</td>
<td>363</td>
<td>31.2</td>
<td>362</td>
<td>31.3</td>
<td>8</td>
<td>317</td>
<td>35.8</td>
<td>317</td>
<td>35.7</td>
<td>317</td>
<td>35.7</td>
</tr>
<tr>
<td>505.mcf_r</td>
<td>8</td>
<td>293</td>
<td>44.1</td>
<td>294</td>
<td>43.9</td>
<td>296</td>
<td>43.6</td>
<td>8</td>
<td>296</td>
<td>43.6</td>
<td>294</td>
<td>44.0</td>
<td>296</td>
<td>43.7</td>
</tr>
<tr>
<td>520.omnetpp_r</td>
<td>8</td>
<td>506</td>
<td>20.7</td>
<td>509</td>
<td>20.6</td>
<td>507</td>
<td>20.7</td>
<td>8</td>
<td>509</td>
<td>20.6</td>
<td>508</td>
<td>20.7</td>
<td>505</td>
<td>20.8</td>
</tr>
<tr>
<td>523.xalancbmk_r</td>
<td>8</td>
<td>223</td>
<td>37.9</td>
<td>222</td>
<td>38.1</td>
<td>222</td>
<td>38.1</td>
<td>8</td>
<td>203</td>
<td>41.5</td>
<td>204</td>
<td>41.5</td>
<td>204</td>
<td>41.5</td>
</tr>
<tr>
<td>525.x264_r</td>
<td>8</td>
<td>191</td>
<td>73.3</td>
<td>191</td>
<td>73.2</td>
<td>192</td>
<td>73.0</td>
<td>8</td>
<td>185</td>
<td>75.9</td>
<td>185</td>
<td>75.7</td>
<td>184</td>
<td>76.1</td>
</tr>
<tr>
<td>531.deepsjeng_r</td>
<td>8</td>
<td>330</td>
<td>27.8</td>
<td>330</td>
<td>27.8</td>
<td>330</td>
<td>27.8</td>
<td>8</td>
<td>329</td>
<td>27.8</td>
<td>331</td>
<td>27.7</td>
<td>330</td>
<td>27.7</td>
</tr>
<tr>
<td>541.leela_r</td>
<td>8</td>
<td>530</td>
<td>25.0</td>
<td>531</td>
<td>25.0</td>
<td>529</td>
<td>25.1</td>
<td>8</td>
<td>531</td>
<td>25.0</td>
<td>530</td>
<td>25.0</td>
<td>530</td>
<td>25.0</td>
</tr>
<tr>
<td>548.exchange2_r</td>
<td>8</td>
<td>298</td>
<td>70.4</td>
<td>296</td>
<td>70.8</td>
<td>290</td>
<td>72.2</td>
<td>8</td>
<td>291</td>
<td>72.0</td>
<td>297</td>
<td>70.5</td>
<td>296</td>
<td>70.8</td>
</tr>
</tbody>
</table>

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Submit Notes

The taskset mechanism was used to bind copies to processors. The config file option 'submit' was used to generate taskset commands to bind each copy to a specific processor. For details, please see the config file.

Operating System Notes

Stack size set to unlimited using "ulimit -s unlimited"

General Notes

Environment variables set by runcpu before the start of the run:
LD_LIBRARY_PATH = "/spec2017_19u4/lib/intel64:/spec2017_19u4/lib/ia32:
/spec2017_19u4/je5.0.1-32"
Binaries compiled on a system with 1x Intel Core i9-799X CPU + 32GB RAM
memory using Redhat Enterprise Linux 7.5
Transparent Huge Pages enabled by default
Prior to runcpu invocation
Filesystem page cache synced and cleared with:
sync; echo 3 > /proc/sys/vm/drop_caches
jemalloc: configured and built at default for 32bit (i686) and 64bit (x86_64) targets;
jemalloc: built with the RedHat Enterprise 7.4, and the system compiler gcc 4.8.5;
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5754 (Meltdown)

(Continued on next page)
SPEC CPU®2017 Integer Rate Result

ASUSTeK Computer Inc.
ASUS RS100-E10(P11C-M/4L) Server System
(3.50 GHz, Intel Xeon E-2134)

SPECrate®2017_int_base = 34.3
SPECrate®2017_int_peak = 35.7

CPU2017 License: 9016
Test Sponsor: ASUSTeK Computer Inc.
Tested by: ASUSTeK Computer Inc.

Test Date: Jul-2019
Hardware Availability: Jun-2019
Software Availability: May-2019

General Notes (Continued)

is mitigated in the system as tested and documented.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5753 (Spectre variant 1) is mitigated in the system as tested and documented.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5715 (Spectre variant 2) is mitigated in the system as tested and documented.

Platform Notes

BIOS Configuration:
VT-d = Disabled
AES = Disabled
Hardware Prefetcher = Disabled
Adjacent Cache Line Prefetch = Disabled
Race to Halt (RTH) = Disabled
Sysinfo program /spec2017_19u4/bin/sysinfo
Rev: r5974 of 2018-05-19 9bcede8f2999c33d61f64985e45859ea9
running on linux-ngvl Thu Jul 25 10:06:59 2019

SUT (System Under Test) info as seen by some common utilities.
For more information on this section, see https://www.spec.org/cpu2017/Docs/config.html#sysinfo

From /proc/cpuinfo
model name : Intel(R) Xeon(R) E-2134 CPU @ 3.50GHz
  1 "physical id"s (chips)
  8 "processors"
cores, siblings (Caution: counting these is hw and system dependent. The following excerpts from /proc/cpuinfo might not be reliable. Use with caution.)
cpu cores : 4
siblings : 8
physical 0: cores 0 1 2 3

From lscpu:
Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Byte Order: Little Endian
CPU(s): 8
On-line CPU(s) list: 0-7
Thread(s) per core: 2
Core(s) per socket: 4
Socket(s): 1
NUMA node(s): 1
Vendor ID: GenuineIntel
CPU family: 6
Model: 158
Model name: Intel(R) Xeon(R) E-2134 CPU @ 3.50GHz

(Continued on next page)
SPEC CPU®2017 Integer Rate Result

ASUSTeK Computer Inc.
ASUS RS100-E10(P11C-M/4L) Server System
(3.50 GHz, Intel Xeon E-2134)

SPECrate®2017_int_base = 34.3
SPECrate®2017_int_peak = 35.7

CPU2017 License: 9016
Test Sponsor: ASUSTeK Computer Inc.
Tested by: ASUSTeK Computer Inc.

Stepping: 10
CPU MHz: 3500.000
CPU max MHz: 4500.0000
CPU min MHz: 800.0000
BogoMIPS: 7008.00
Virtualization: VT-x
L1d cache: 32K
L1i cache: 32K
L2 cache: 256K
L3 cache: 8192K
NUMA node0 CPU(s): 0-7
Flags: fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov
pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx pdpe1gb rdtscp
lm constant_tsc art arch_perfmon pebs bts rep_good ntopology nonstop_tsc cpuid
aperfpmem perf tsc_known_freq pni pclmulqdq dtes64 monitor ds_cpl vmx smx est tm2 ssse3
sdbg fma cx16 xtpr pdcm pclid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer
xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpctld single pti
ssbd ibrs ibpb stibp tpr_shadow vnmi flexpriority ept vpid fsgsbase tsc_adjust bmi1
hle avx2 smep bmi2 3rms invpctld rtm mpx rdseed adx smap clflushopt intel_pt xsaveopt
xsavec xgetbv1 xsaves dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp
flush_l1d

/platforminfo cache data
  cache size : 8192 KB

From numactl --hardware WARNING: a numactl 'node' might or might not correspond to a
physical chip.
  available: 1 nodes (0)
  node 0 cpus: 0 1 2 3 4 5 6 7
  node 0 size: 64322 MB
  node 0 free: 63811 MB
  node distances:
    node 0
    0: 10

From /proc/meminfo
  MemTotal: 65865912 kB
  HugePages_Total: 0
  Hugepagesize: 2048 kB

From /etc/*release* /etc/*version*
  os-release:
    NAME="SLES"
    VERSION="15"
    VERSION_ID="15"
    PRETTY_NAME="SUSE Linux Enterprise Server 15"
    ID="sles"

(Continued on next page)
ASUSTeK Computer Inc.  
ASUS RS100-E10(P11C-M/4L) Server System (3.50 GHz, Intel Xeon E-2134)  

SPECrate®2017_int_base = 34.3  
SPECrate®2017_int_peak = 35.7

CPU2017 License: 9016  
Test Sponsor: ASUSTeK Computer Inc.  
Tested by: ASUSTeK Computer Inc.  

Platform Notes (Continued)

ID_LIKE="suse"  
ANSI_COLOR="0;32"  
CPE_NAME="cpe:/o:suse:sles:15"

uname -a:  
Linux linux-ngvl 4.12.14-150.17-default #1 SMP Thu May 2 15:15:46 UTC 2019 (bf13fb8)  
x86_64 x86_64 x86_64 GNU/Linux

Kernel self-reported vulnerability status:

CVE-2017-5754 (Meltdown): Mitigation: PTI  
CVE-2017-5753 (Spectre variant 1): Mitigation: __user pointer sanitization  
CVE-2017-5715 (Spectre variant 2): Mitigation: Full generic retpoline, IBPB: conditional, IBRS_FW, STIBP: conditional, RSB filling

run-level 3 Jul 25 10:01

SPEC is set to: /spec2017_19u4

Filesystem Type Size Used Avail Use% Mounted on  
/dev/sda4 xfs 442G 23G 419G 6% /

Additional information from dmidecode follows. WARNING: Use caution when you interpret this section. The 'dmidecode' program reads system data which is "intended to allow hardware to be accurately determined", but the intent may not be met, as there are frequent changes to hardware, firmware, and the "DMTF SMBIOS" standard.  
BIOS American Megatrends Inc. 0703 06/13/2019  
Memory: 4x Samsung M391A2K43BB1-CTD 16 GB 2 rank 2667, configured at 2666

(End of data from sysinfo program)

Compiler Version Notes

==============================================================================  
C | 502.gcc_r(peak)  
------------------------------------------------------------------------------

Intel(R) C Intel(R) 64 Compiler for applications running on IA-32, Version 19.0.4.227 Build 20190416  
Copyright (C) 1985-2019 Intel Corporation. All rights reserved.  
------------------------------------------------------------------------------

==============================================================================  
C | 500.perlbench_r(base, peak) 502.gcc_r(base) 505.mcf_r(base, peak)  
| 525.x264_r(base, peak) 557.xz_r(base, peak)  
------------------------------------------------------------------------------

Intel(R) C Intel(R) 64 Compiler for applications running on Intel(R) 64,
## Compiler Version Notes (Continued)

Version 19.0.4.227 Build 20190416
Copyright (C) 1985-2019 Intel Corporation. All rights reserved.

---

| C | 502.gcc_r(peak) |
---|----------------|
| Intel(R) C Intel(R) 64 Compiler for applications running on IA-32, Version 19.0.4.227 Build 20190416 |
| Copyright (C) 1985-2019 Intel Corporation. All rights reserved. |

---

| C | 500.perlbench_r(base, peak) 502.gcc_r(base) 505.mcf_r(base, peak) 525.x264_r(base, peak) 557.xz_r(base, peak) |
---|--------------------------------------------------|
| Intel(R) C Intel(R) 64 Compiler for applications running on Intel(R) 64, Version 19.0.4.227 Build 20190416 |
| Copyright (C) 1985-2019 Intel Corporation. All rights reserved. |

---

| C++ | 523.xalancbmk_r(peak) |
---|---------------------|
| Intel(R) C++ Intel(R) 64 Compiler for applications running on IA-32, Version 19.0.4.227 Build 20190416 |
| Copyright (C) 1985-2019 Intel Corporation. All rights reserved. |

---

| C++ | 520.omnetpp_r(base, peak) 523.xalancbmk_r(base) 531.deepsjeng_r(base, peak) 541.leela_r(base, peak) |
---|--------------------------------------------------|
| Intel(R) C++ Intel(R) 64 Compiler for applications running on Intel(R) 64, Version 19.0.4.227 Build 20190416 |
| Copyright (C) 1985-2019 Intel Corporation. All rights reserved. |

---

| C++ | 523.xalancbmk_r(peak) |
---|---------------------|
| Intel(R) C++ Intel(R) 64 Compiler for applications running on IA-32, Version 19.0.4.227 Build 20190416 |
| Copyright (C) 1985-2019 Intel Corporation. All rights reserved. |
ASUSTeK Computer Inc.
ASUS RS100-E10(P11C-M/4L) Server System
(3.50 GHz, Intel Xeon E-2134)

SPECrate®2017_int_base = 34.3
SPECrate®2017_int_peak = 35.7

CPU2017 License: 9016
Test Sponsor: ASUSTeK Computer Inc.
Test Date: Jul-2019
Tested by: ASUSTeK Computer Inc.
Hardware Availability: Jun-2019
Software Availability: May-2019

Compiler Version Notes (Continued)

C++
| 520.omnetpp_r(base, peak) 523.xalancbmk_r(base) 531.deepsjeng_r(base, peak) 541.leela_r(base, peak) |

Intel(R) C++ Intel(R) 64 Compiler for applications running on Intel(R) 64, Version 19.0.4.227 Build 20190416
Copyright (C) 1985-2019 Intel Corporation. All rights reserved.

Fortran | 548.exchange2_r(base, peak)

Intel(R) Fortran Intel(R) 64 Compiler for applications running on Intel(R) 64, Version 19.0.4.227 Build 20190416
Copyright (C) 1985-2019 Intel Corporation. All rights reserved.

Base Compiler Invocation

C benchmarks:
icc -m64 -std=c11

C++ benchmarks:
icpc -m64

Fortran benchmarks:
ifort -m64

Base Portability Flags

500.perlbench_r: -DSPEC_LP64 -DSPEC_LINUX_X64
502.gcc_r: -DSPEC_LP64
505.mcf_r: -DSPEC_LP64
520.omnetpp_r: -DSPEC_LP64
523.xalancbmk_r: -DSPEC_LP64 -DSPEC_LINUX
525.x264_r: -DSPEC_LP64
531.deepsjeng_r: -DSPEC_LP64
541.leela_r: -DSPEC_LP64
548.exchange2_r: -DSPEC_LP64
557.xz_r: -DSPEC_LP64
### SPEC CPU®2017 Integer Rate Result

**ASUSTeK Computer Inc.**

ASUS RS100-E10(P11C-M/4L) Server System (3.50 GHz, Intel Xeon E-2134)

<table>
<thead>
<tr>
<th>CPU2017 License:</th>
<th>9016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Sponsor:</td>
<td>ASUSTeK Computer Inc.</td>
</tr>
<tr>
<td>Tested by:</td>
<td>ASUSTeK Computer Inc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPECrate®2017_int_base =</th>
<th>34.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECrate®2017_int_peak   =</td>
<td>35.7</td>
</tr>
</tbody>
</table>

**Base Optimization Flags**

C benchmarks:
- `-Wl,-z,muldefs` -xCORE-AVX2 -ipo -O3 -no-prec-div
- `-qopt-mem-layout-trans=4`
- `-L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227/linux/compiler/lib/intel64` -lqkmalloc

C++ benchmarks:
- `-Wl,-z,muldefs` -xCORE-AVX2 -ipo -O3 -no-prec-div
- `-qopt-mem-layout-trans=4`
- `-L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227/linux/compiler/lib/intel64` -lqkmalloc

Fortran benchmarks:
- `-Wl,-z,muldefs` -xCORE-AVX2 -ipo -O3 -no-prec-div
- `-qopt-mem-layout-trans=4` -nostandard-realloc-lhs -align array32byte
- `-L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227/linux/compiler/lib/intel64` -lqkmalloc

**Peak Compiler Invocation**

C benchmarks (except as noted below):
```bash
icc -m64 -std=c11
```


C++ benchmarks (except as noted below):
```bash
icpc -m64
```

523.xalancbmk_r: `icpc -m32 -L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227/linux/compiler/lib/ia32_lin`

Fortran benchmarks:
```bash
ifort -m64
```

**Peak Portability Flags**

500.perlbench_r: `-DSPEC_LP64` `-DSPEC_LINUX_X64`
502.gcc_r: `-D_FILE_OFFSET_BITS=64`
505.mcf_r: `-DSPEC_LP64`
520.omnetpp_r: `-DSPEC_LP64`
523.xalancbmk_r: `-D_FILE_OFFSET_BITS=64` `-DSPEC_LINUX`
525.x264_r: `-DSPEC_LP64`

(Continued on next page)
<table>
<thead>
<tr>
<th>Peak Portability Flags (Continued)</th>
</tr>
</thead>
<tbody>
<tr>
<td>531.deepsjeng_r: -DSPEC_LP64</td>
</tr>
<tr>
<td>541.leela_r: -DSPEC_LP64</td>
</tr>
<tr>
<td>548.exchange2_r: -DSPEC_LP64</td>
</tr>
<tr>
<td>557.xz_r: -DSPEC_LP64</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak Optimization Flags</th>
</tr>
</thead>
<tbody>
<tr>
<td>C benchmarks:</td>
</tr>
<tr>
<td>500.perlbench_r: -Wl,-z,muldefs -prof-gen(pass 1) -prof-use(pass 2) -ipo -xCORE-AVX2 -O3 -no-prec-div -qopt-mem-layout-trans=4 -fno-strict-overflow -L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227/linux/compiler/lib/intel64 -lqkmalloc</td>
</tr>
<tr>
<td>502.gcc_r: -Wl,-z,muldefs -prof-gen(pass 1) -prof-use(pass 2) -ipo -xCORE-AVX2 -O3 -no-prec-div -qopt-mem-layout-trans=4 -L/usr/local/xe5.0.1-32/lib -ljemalloc</td>
</tr>
<tr>
<td>505.mcf_r: -Wl,-z,muldefs -xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-mem-layout-trans=4 -L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227/linux/compiler/lib/intel64 -lqkmalloc</td>
</tr>
<tr>
<td>525.x264_r: -Wl,-z,muldefs -xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-mem-layout-trans=4 -fno-alias -L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227/linux/compiler/lib/intel64 -lqkmalloc</td>
</tr>
<tr>
<td>557.xz_r: Same as 505.mcf_r</td>
</tr>
</tbody>
</table>

| C++ benchmarks:           |
| 520.omnetpp_r: -Wl,-z,muldefs -xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-mem-layout-trans=4 -L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227/linux/compiler/lib/intel64 -lqkmalloc |
| 523.xalancbmk_r: -Wl,-z,muldefs -prof-gen(pass 1) -prof-use(pass 2) -ipo -xCORE-AVX2 -O3 -no-prec-div -qopt-mem-layout-trans=4 -L/usr/local/xe5.0.1-32/lib -ljemalloc |
| 531.deepsjeng_r: Same as 520.omnetpp_r |

(Continued on next page)
# SPEC CPU®2017 Integer Rate Result

**ASUSTeK Computer Inc.**
ASUS RS100-E10(P11C-M/4L) Server System
(3.50 GHz, Intel Xeon E-2134)

| SPECrate®2017_int_base = 34.3 |
| SPECrate®2017_int_peak = 35.7 |

**CPU2017 License:** 9016  
**Test Sponsor:** ASUSTeK Computer Inc.  
**Tested by:** ASUSTeK Computer Inc.  
**Test Date:** Jul-2019  
**Hardware Availability:** Jun-2019  
**Software Availability:** May-2019

---

**Peak Optimization Flags (Continued)**

541.leela_r: Same as 520.omnetpp_r

Fortran benchmarks:

-Wl,-z,muldefs -xCORE-AVX2 -ipo -O3 -no-prec-div  
-qopt-mem-layout-trans=4 -nostandard-realloc-lhs -align array32byte  
-L/usr/local/IntelCompiler19/compilers_and_libraries_2019.4.227-linux/compiler/lib/intel64  
-lqkmalloc

The flags files that were used to format this result can be browsed at:


You can also download the XML flags sources by saving the following links:

- [ASUSTekPlatform-Settings-p11-V2.0-revB.xml](http://www.spec.org/cpu2017/flags/ASUSTekPlatform-Settings-p11-V2.0-revB.xml)

---

SPEC CPU and SPECrate are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

For questions about this result, please contact the tester. For other inquiries, please contact info@spec.org.

Tested with SPEC CPU®2017 v1.0.5 on 2019-07-24 22:06:59-0400.  
Report generated on 2019-09-17 16:04:13 by CPU2017 PDF formatter v6255.  
Originally published on 2019-09-17.