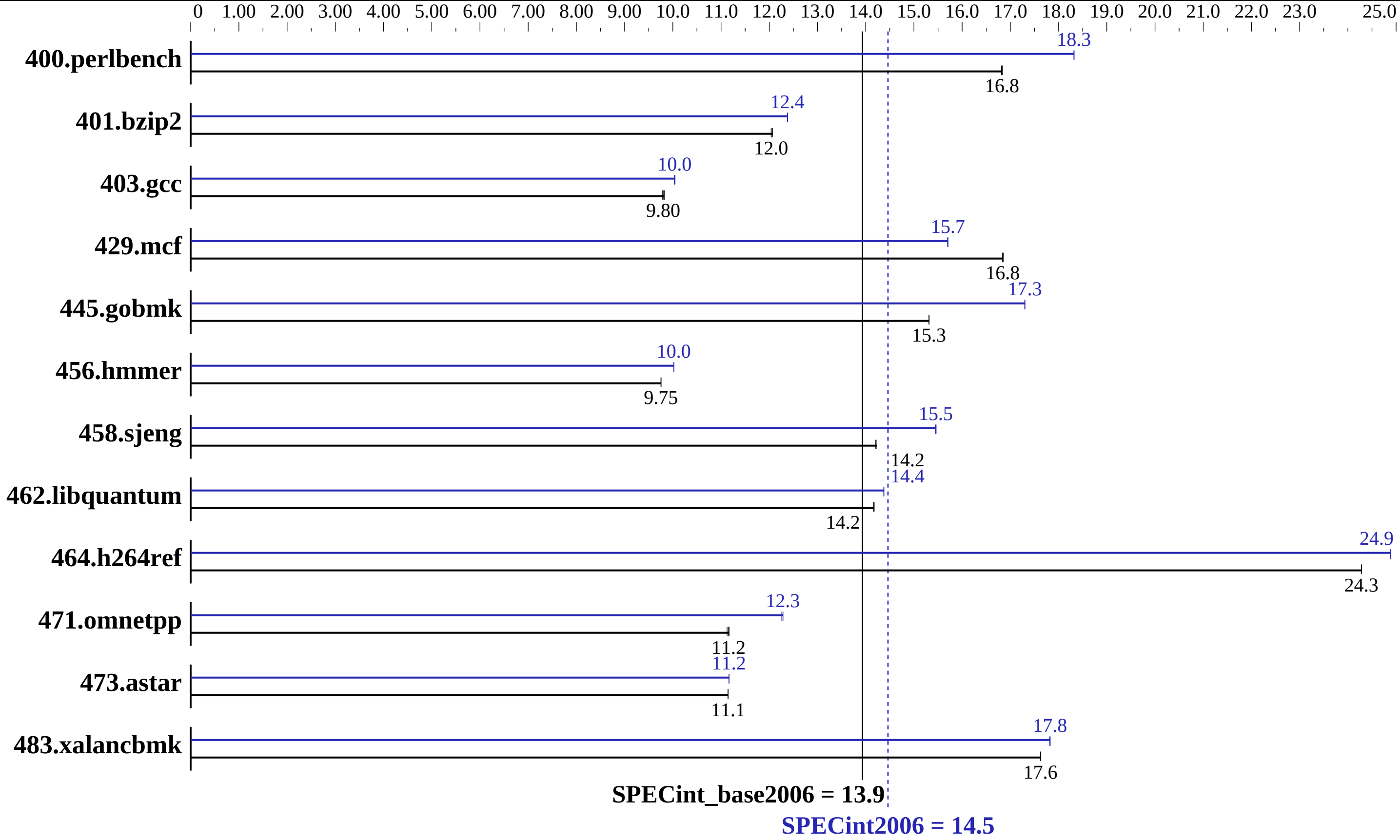
SPEC® CINT2006 Result

Bull SAS

NovaScale R460
(Intel Xeon processor 5140,2.33GHz)

SPECint®2006 =	14.5
SPECint_base2006 =	13.9

CPU2006 license: 20		**Test date:**	May-2007
Test sponsor:	Bull SAS	**Hardware Availability:**	Feb-2007
Tested by:	Bull SAS	**Software Availability:**	Dec-2006



Hardware

CPU Name:	Intel Xeon 5140
CPU Characteristics:	2.33 GHz, 4 MB L2, 1333 MHz system bus
CPU MHz:	2333
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip
CPU(s) orderable:	2 chips
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	4 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	24 GB (12x2 GB) FB-DIMM PC2-5300F ECC CL5
Disk Subsystem:	1x73 GB SAS, 15000 RPM
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition X64 Edition Service Pack1
Compiler:	Intel C++ Compiler for IA32 version 9.1 Package ID W_CC_C_9.1.033 Build no 20061103Z Microsoft Visual Studio .NET 2003 (lib & linker)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill SmartHeap Library 8.0 (shlW32M.lib)

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Results Table

	Base						Peak					
Benchmark	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**
400.perlbench	580	16.8	**581**	**16.8**	581	16.8	533	18.3	533	18.3	**533**	**18.3**
401.bzip2	800	12.1	**801**	**12.0**	802	12.0	780	12.4	780	12.4	**780**	**12.4**
403.gcc	820	9.82	**821**	**9.80**	822	9.79	**802**	**10.0**	803	10.0	801	10.0
429.mcf	542	16.8	**541**	**16.8**	541	16.9	581	15.7	581	15.7	**581**	**15.7**
445.gobmk	685	15.3	**685**	**15.3**	685	15.3	606	17.3	606	17.3	**606**	**17.3**
456.hmmer	956	9.76	957	9.75	**957**	**9.75**	**931**	**10.0**	931	10.0	931	10.0
458.sjeng	850	14.2	852	14.2	**851**	**14.2**	783	15.5	**783**	**15.5**	783	15.4
462.libquantum	1462	14.2	1463	14.2	**1463**	**14.2**	1441	14.4	1441	14.4	**1441**	**14.4**
464.h264ref	911	24.3	**911**	**24.3**	911	24.3	889	24.9	**889**	**24.9**	889	24.9
471.omnetpp	562	11.1	**560**	**11.2**	560	11.2	509	12.3	510	12.3	**509**	**12.3**
473.astar	630	11.1	**630**	**11.1**	630	11.1	**629**	**11.2**	629	11.2	629	11.2
483.xalancbmk	391	17.6	**391**	**17.6**	391	17.6	387	17.8	**387**	**17.8**	387	17.8

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

Operating System Notes

```
/NUMPROC=1 flags was added to boot.ini invoke
uniprocessor environment
```

General Notes

```
The NovaScale R440 and the NovaScale R460 models are
electronically equivalent.
The results have been measured on a NovaScale R460 model.
```

Base Compiler Invocation

C benchmarks:
`icl -Qvc7.1 -Qc99`

C++ benchmarks:
`icl -Qvc7.1`

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

Base Optimization Flags

C benchmarks:
-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-fast -Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Peak Optimization Flags

C benchmarks:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

C++ benchmarks:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

Peak Other Flags

C benchmarks:

Continued on next page

Peak Other Flags (Continued)

403.gcc: -Dalloca=_alloca

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/flags.20090714.00.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/flags.20090714.00.xml

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

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