



HPC2002 Result

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Hewlett-Packard Company
hp server rx5670 (1000MHz Itanium2)

SPECseisS2002 = 1113

SPEC license #: HPG2116 | Tested by: Hewlett-Packard Company | Test site: Richardson, Texas | Test date: Nov-2002 | HW Avail: Oct-2002 | SW Avail: Oct-2002

Benchmark	Reference Time	Runtime	Ratio
350.seis_s	86400	77.7	1113

Hardware		Software	
CPU:	Intel Itanium 2	Parallel:	OpenMP
CPU MHz:	1000	Processes-Threads:	4
FPU:	Integrated	MPI Processes:	1
CPU(s) enabled:	4	OpenMP Threads:	4
CPU(s) orderable:	1 to 4	Operating System:	HP-UX 11i TCOE B.11.22
Primary Cache:	L1 Inst/Data: 16 KB, associativity = 4	Compiler:	HP C/ANSI C Compiler v11.22
Secondary Cache:	L2 Unified: 256 KB, associativity = 8		HP Fortran 90 Compiler v2.6.2
L3 Cache:	L3 Unified: 3072 KB, associativity = 12		HP aC++ Compiler A.03.35
Other Cache:	None		HP MPI 1.08.02
Memory:	12GB		PHSS_27975: f90 product
Disk Subsystem:	1x9GB SCSI disk (root), 1x9GB SCSI disk (swap)		PHSS_27286: C product
Other Hardware:	--		PHSS_27287: U2comp
			PHSS_27288: Linker
			PHSS_27289: Libm
			PHSS_27290: Assembler
			PHSS_27291: PBO
		File System:	Online JFS
		System State:	Multi-user
		Other Software:	--

Notes/Tuning Information

Flags:

f90 +O2 +OfIltacc +Oinfo +es +Oopenmp

aCC +O2 +Oopenmp +Oinfo +DD64 +FPD -minshared

/usr/ccs/lbin/cpp -I. -C -P -D_OPENMP

Alternate Source used for Peak:

None

User Environment:

use_submit_for_speed=1
submit=export OMP_NUM_THREADS=
 \\${OMPI_COMM_SIZE}; \$command

Kernel Parameters (/stand/system):

maxdsiz 0x7b03a000
maxdsiz_64bit 0x4000000000
maxssiz 0x10000000
maxssiz_64bit 0x40000000
maxtsiz 1073741824
maxtsiz_64bit 4294967296
vps_pagesize 4096
vps_ceiling 16384
dbc_min_pct 20
dbc_max_pct 20