



HPC2002 Result

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Hewlett-Packard Company
hp server rx2600 (1500MHz Itanium2)

SPECseisM2002 = 46.0

SPEC license #: HPG2116 | Tested by: Hewlett-Packard Company | Test site: Richardson, Texas | Test date: Nov-2003 | HW Avail: Oct-2003 | SW Avail: Oct-2003

Benchmark	Reference Time	Runtime	Ratio
351.seis_m	86400	1878	46.0

Hardware		Software	
CPU:	Intel Itanium 2	Parallel:	OpenMP
CPU MHz:	1500	Processes-Threads:	2
FPU:	Integrated	MPI Processes:	N/A
CPU(s) enabled:	2	OpenMP Threads:	2
CPU(s) orderable:	1 to 2	Operating System:	HPUX11i-TCOE B.11.23
Primary Cache:	L1 Inst/Data: 16 KB, associativity = 4	Compiler:	HP C/ANSI C Compiler B.11.23
Secondary Cache:	L2 Unified: 256 KB, associativity = 8		HP aC++ Compiler B.11.23
L3 Cache:	L3 Unified: 6144 KB, associativity = 24		HP Fortran 90 Compiler B.11.23
Other Cache:	None		HP LIBF90 PHSS_29620
Memory:	12GB		HP F90 Compiler PHSS_29663
Disk Subsystem:	1x36GB 10k RPM SCSI disk	File System:	HP aC++ Compiler PHSS_29655
Other Hardware:	--	System State:	HP C Compiler PHSS_29656
		Other Software:	u2comp/be/plugin library PHSS_29657
			vxfs
			Multi-user
			--

Notes/Tuning Information

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Peak Flags: OpenMP
f90 +Ofaster +OfIltacc +Oinfo +es +Oopenmp +DD64
aCC +Ofast +Oopenmp +Oinfo +DD64 -Ae
CPPFLAGS = -I. -C -P -D_OPENMP
EXTRA_LIBS = +Oopenmp +FPD -minshared

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Alternate Source used for Peak:
None

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Kernel Paramters (/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

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Peak User Environment:
use_submit_for_speed=1
submit= export OMP_NUM_THREADS=\$OMPI_COMM_SIZE;$command

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