HPC2002 Result

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

SPECenvS2002 = 531

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
360.wrf_s	86400	163	531

100 200 300 400 500 600

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1000
FPU:	Integrated
CPU(s) enabled:	4
CPU(s) orderable:	1 to 4
Primary Cache:	L1 Inst/Data: 16 KB, associativity = 4
Secondary Cache:	L2 Unified: 256 KB, associativity = 8
L3 Cache:	L3 Unified: 3072 KB, associativity = 12
Other Cache:	None
Memory:	12GB
Disk Subsystem:	1x9GB SCSI disk (root), 1x9GB SCSI disk (swap)
Other Hardware:	--

Software

Parallel:	OpenMP
Processes-Threads:	4
MPI Processes:	1
OpenMP Threads:	4
Operating System:	HP-UX 11i TCOE B.11.22
Compiler:	HP C/ANSI C Compiler v11.22 HP Fortran 90 Compiler v2.6.2 HP aC++ Compiler A.03.35 HP MPI 1.08.02 PHSS_27975: f90 product PHSS_27286: C product 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:	NetCDF 3.5.0

Notes/Tuning Information

```
 Flags:
   f90   +O2 +Oopenmp +Oinfo +Onoinline
      -I/scratch/lieb/netcdf-3.5.0/include
      +FPD -minshared  -L /opt/mpi/lib/hpux64 -lmpi
      -L /scratch/lieb/netcdf-3.5.0/lib/hpux64 -lnetcdf

   aCC  -Ae +O2 +Oopenmp +Oinfo -DNOUNDERSCORE -D_OPENMP
      +FPD -minshared  -L /opt/mpi/lib/hpux64 -lmpi
      -L /scratch/lieb/netcdf-3.5.0/lib/hpux64 -lnetcdf

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

   ENV_SPEC_HPG_PARALLEL=OMP

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

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
```

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Notes/Tuning Information (Continued)

```
dbc_min_pct     20
dbc_max_pct     20
```