



HPC2002 Result

Copyright ©1999-2002, Standard Performance Evaluation Corporation

SGI
SGI Altix 3000 (900MHz, Itanium2)

SPECenvS2002 = **1127**

SPEC license #: HPG0014 | Tested by: SGI | Test site: SGI | Test date: Mar-2003 | HW Avail: Feb-2003 | SW Avail: Feb-2003

Benchmark	Reference Time	Runtime	Ratio
360.wrf_s	86400	76.7	1127

Hardware		Software	
CPU:	Intel Itanium 2	Parallel:	MPI
CPU MHz:	900	Processes-Threads:	4
FPU:	Integrated	MPI Processes:	4
CPU(s) enabled:	4	OpenMP Threads:	--
CPU(s) orderable:	4-64	Operating System:	SGI ProPack(TM) v2.1
Primary Cache:	16KBI + 16KBD (on chip) per CPU	Compiler:	Intel(R) Fortran Compiler for Linux 7.0 (Build 20030129) Intel(R) C++ Compiler for Linux 7.0 (Build 20030129)
Secondary Cache:	256KB (on chip) per CPU	File System:	xfs
L3 Cache:	1.5MB (on chip) per CPU	System State:	Multi-user
Other Cache:	N/A	Other Software:	MPT 1.7 & NetCDF 3.5.0
Memory:	8GB		
Disk Subsystem:	1 x 36 GB		
Other Hardware:	None		

Notes/Tuning Information

Flags (Fortran & C): -O3 -I. -I\$(NETCDF)/include

User environment:

```

SPEC_HPG_PARALLEL=MPI
NETCDF=$SPEC/netcdf3.5.0
MPI_COMM_SIZE=4
MPI_DSM_CPULIST 0-3
MPI_DSM_MUSTRUN ON

```

Submit command to run MPI application:

```

use_submit_for_speed=1
submit=mpirun -np "$MPI_COMM_SIZE" $command

```

NetCDF available at: <http://www.unidata.ucar.edu/packages/netcdf>
NetCDF 3.5.0 was compiled -O0