ION
A20 (Intel Xeon processor 5060, 3.2GHz)

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Reference Time</th>
<th>Base Runtime</th>
<th>Runtime</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
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**Hardware**

- CPU: Intel Xeon Processor 5060 (1066Mhz System Bus)
- CPU MHz: 3200
- FPU: Integrated
- CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (HyperThreading Technology enabled)
- CPU(s) orderable: 1.2 chips
- Parallel: No
- Primary Cache: 12KB(I) + 16KB(D) on chip, per core
- Secondary Cache: 2MB (I+D) on chip, per core
- L3 Cache: None
- Other Cache: None
- Memory: 8 GB (8*1GB PC2 5300 FB-DIMMs)
- Disk Subsystem: 1 x 80GB SATA (Seagate ST380817AS Barracuda 7200rpm)

**Software**

- Operating System: Red Hat Enterprise Linux ES 4 Update 3 for x86 (32-bit)
- Compiler: Intel(R) Fortran Compiler for 32-bit apps, V9.1 (Build 20060519Z)
- File System: ext3
- System State: Multi-user

**Notes/Tuning Information**

- Tested by ION Computer Systems
- BIOS 2.00 Build 54
- HyperThreading Technology Enabled in BIOS (Default)
- Enhanced SpeedStep Disabled in BIOS
- kernel 2.6.9-34.0.1.ELsmp
- +FDO: PASS1=-prof_gen PASS2=-prof_use

**SPEC CFP2000 Baseline optimization flags**
- C programs: -fast -ansi_alias +FDO
- Fortran programs: -fast +FDO
- +FDO: PASS1=-prof_gen PASS2=-prof_use

**SPEC CFP2000 Peak optimization flags:**
- basepeak=yes set globally
- Portability Flags: 178.galgel: -F1