### ION

**I2X2 (1.4GHz Itanium 2 processor)**

**SPECfp2000** = 1817  
**SPECfp_base2000** = 1817

**Hardware**
- **CPU:** Intel Itanium 2  
- **CPU MHz:** 1400  
- **FPU:** Integrated  
- **CPU(s) enabled:** 1 core, 1 chip, 1 core/chip  
- **CPU(s) orderable:** 1-2  
- **Parallel:** No  
- **Primary Cache:** 16KBI + 16KBD (on chip) per CPU  
- **Secondary Cache:** 256KB (on chip) per CPU  
- **L3 Cache:** 4MB (on chip) per CPU  
- **Other Cache:** N/A  
- **Memory:** 8 GB (8x1GB DIMMS)  
- **Disk Subsystem:** 1x 36GB SCSI (Seagate Cheetah 10k rpm)  
- **Other Hardware:** None

**Software**
- **Operating System:** SuSE Linux Enterprise Server 8  
- **Compiler:** Intel(R) Fortran Compiler for Linux 7.1 (Build 20030519)  
- **File System:** ext2  
- **System State:** Multi-user

**Notes/Tuning Information**

Tested by ION Computer Systems.  
Tests performed with uniprocessor kernel.  
Only 1 processor was enabled by operating system.  
+FDO: PASS1=-prof_gen PASS2=-prof_use

Baseline optimization flags:  
C programs: -O3 -ipo -ansi_alias +FDO  
Fortran programs: -O3 -ipo +FDO

Portability Flags:  
178.galgel: -FI

Peak optimization flags:  
Peak flags same as baseline (basepeak=true set globally).