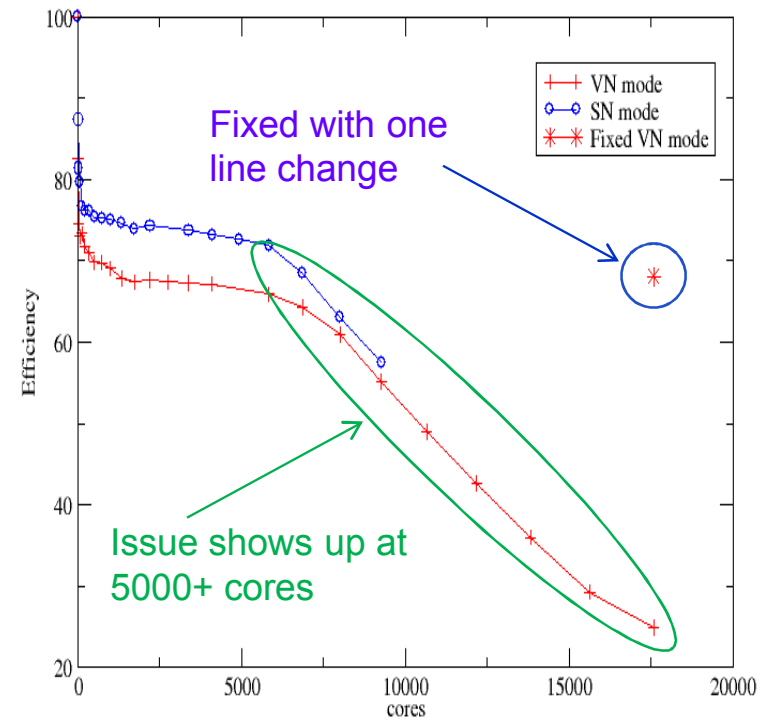


Major ALEGRA Scaling Bug Found in 2007

SAND2011-3384C

- Scaling issue noticed above 5,000+ processors in 2007
- Issue traced to a collective communication call "Pcout().flush()"
- **Fixed by changing location of a single line of code**
- Bug had been in code since 2003 (4 years)
- **Lesson: Scaling failures can emerge as code or platforms evolve!**



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