sPHENIX News

334 days till first beam

Thank you SDCC and ATLAS

Lustre and HPSS benchmarks

As agreed upon a week ago, I ran benchmarks from all 6 BBs to both Lustre and HPSS concurrently.

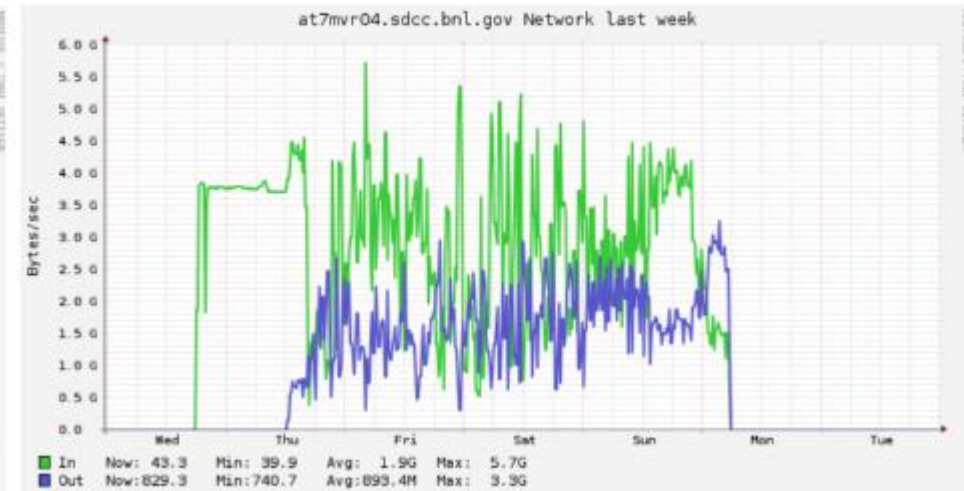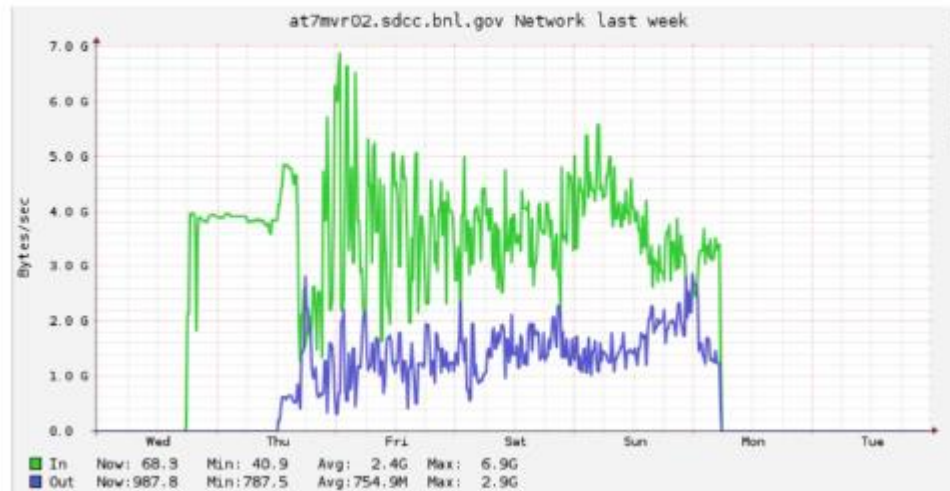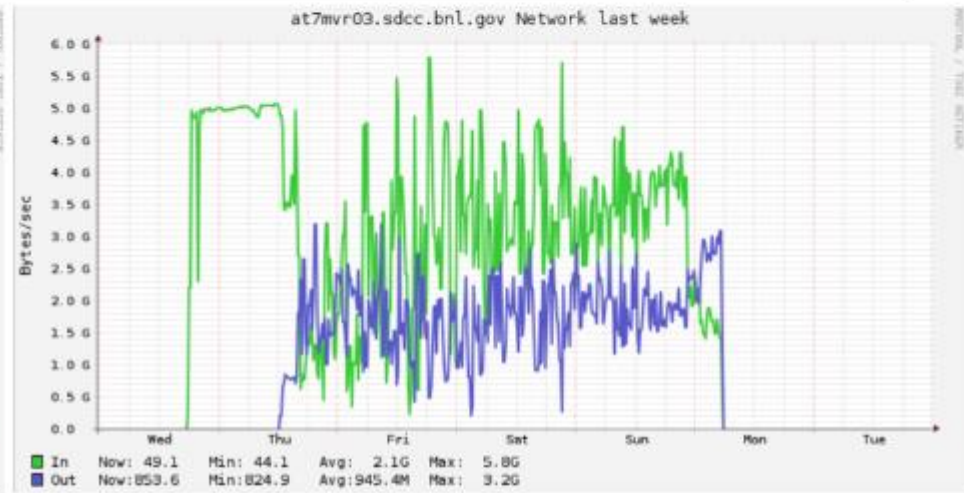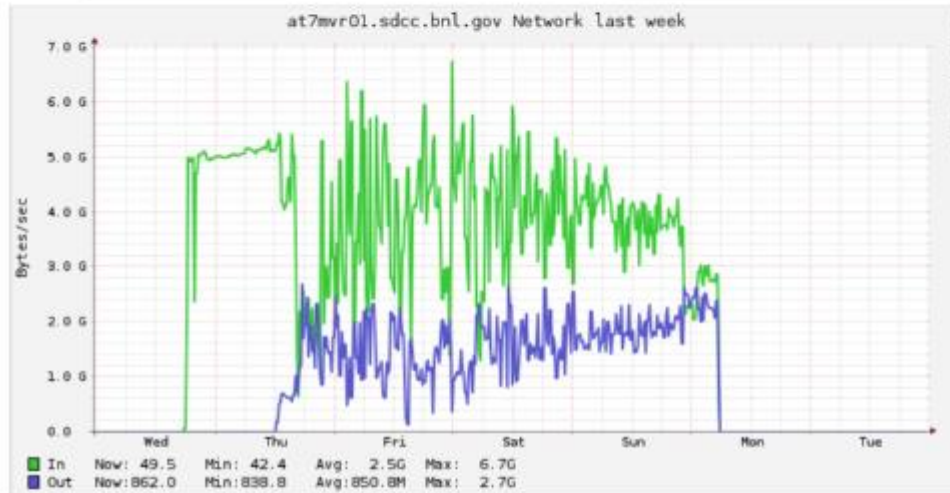I ran tunble scripts that allowed me to roughly dial in the desired individual rates

Ran until Sunday night after the SuperBowl…

Some apparent confusion about the goals of this exercise – Tim started the tape writing late when the buffer disk was already like 70% full

Had to pause the HPSS transfers to let the migration catch up

Overall it showed that we are within 80% of our goals as far as "the back-end" goes

Ganglia on the SDCC side (movers)

Ganglia on the SDCC side (lustre)

They all hang around 4GB/s

Other tidbits

- ACTS being upgraded to latest version (we are like 15 versions behind)
- Testing latest G4 (v11) and root version (I know 6.26 came out just as I write this)
- Work on calibrations ongoing
  - Ready to connect to the conditions DB (reading)
- Final G4 geometry update for Hcals getting ready → analysis grade sims are coming
- Lustre outperforms dCache by at least x2 → farewell dCache