Agenda

• Blue Waters Annual Review
• Current Issues
• Changes and Recent Events
• Utilization and Usage
• Opportunities
• PUBLICATIONS!
Annual NSF Review

• Thanks to all of our partners for assistance in making the Blue Waters project a success.
• Your accomplishments and achievements were well received.
• Your participation in the external evaluations was extremely important.
• Look for a Blue Waters workload analysis technical report, and a publications and products impact analysis report.
Current Issues

- Login node instability
  - We continue to monitor to detect nodes login nodes in suspect state.
Recent and Future Changes

- No changes since last call.
- Looking at setting PE 16.11 (Nov 03, 2016) as default in February. Stay tuned.
Recent Events (since last User call)

• 1/05 – file system responsiveness. Possibly linked to issue causing login node responsiveness.
Usage, Utilization and other Items

- Utilization since last BW User Call (Dec 19)

BlueWaters Utilization (%)
Backlog

- Since BW User Call 12/19
- Vertical axis in units of **nodes**. Colors are different users.
- Mix of jobs and 3 – 4 x machine node count to get good sustained utilization.
- Red below the x-axis indicates unreserved nodes.
- Blue below the x-axis indicates draining.
Workload Details

- Data combines XE and XK jobs.
- Since last BW User Call (Dec 19)
- Note difference in distribution of node-hours.
Upcoming Opportunities

• Applications are now being accepted for Blue Waters Fellowships. Applications are due **February 3, 2017**. More information is available at: [https://bluewaters.ncsa.illinois.edu/fellowships](https://bluewaters.ncsa.illinois.edu/fellowships)

• Applications are now being accepted for Blue Waters undergraduate internships. Applications are due **February 3, 2017**. More information is available at: [https://bluewaters.ncsa.illinois.edu/internships](https://bluewaters.ncsa.illinois.edu/internships)

• Spring 2017 PRAC call is expected to be due March-April. Watch NSF website or Blue Waters portal.
Request for Science Successes

• We need to be current on products that result from time on Blue Waters such as:
  • Publications, Preprints (e.g. arXiv.org), Presentations.
  • Very interested in data product sharing.
• Appreciate updates sooner than annual reports.
  • Send to gbauer@illinois.edu
• NSF PRAC teams send information to PoCs.
• See the Share Results section of the portal as well.
• Be sure to include proper acknowledgment
  • Blue Waters - National Science Foundation (ACI 1238993)
  • NSF PRAC – OCI award number