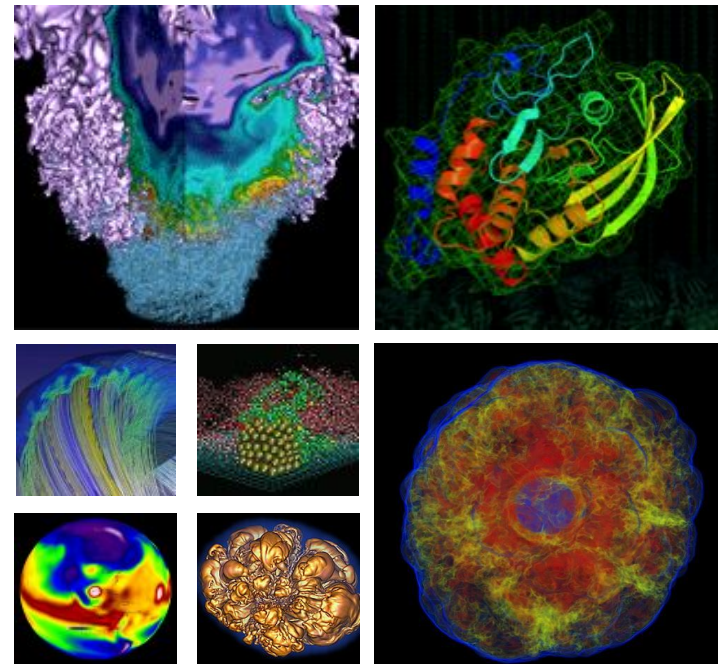# NUG Monthly Meeting

24 September, 2020

Today's plan

- Interactive - please participate!
  - Raise hand or just speak up
  - Join NERSC User Slack (link in chat), #webinars channel

- Agenda:
  - Win-of-the-month
  - Today-I-learned
  - Announcements/CFPs
  - Topic of the day: PSPS preparedness
  - Coming meetings: topic suggestions/requests?
  - Last month's numbers

Win of the month

Show off an achievement, or shout out someone else's achievement, e.g.:

- Had a paper accepted
- Solved a bug
- A scientific achievement (maybe candidate for Science highlight, or High Impact Scientific Achievement award)
- An Innovative Use of High Performance Computing (also a candidate for an award) (https://www.nersc.gov/science/nersc-hpc-achievement-awards/)

Tell us what you did, and what was the key insight?

Today I learned

What surprised you that might benefit other users to hear about?

(and might help NERSC identify documentation improvements!)

Eg:

- Something you got stuck on, hit a dead end, or turned out to be wrong about
    - Give others the benefit of your experience!
    - Opportunity to improve NERSC documentation
- A tip for using NERSC
- Something you learned that might benefit other NERSC users

"If we knew what it was we were doing, it would not be called research, would it?" - Einstein

Announcements and CFPs

Check latest weekly email for these:

- UPDATE: October 7-12 Power Upgrade Will Impact Only Cori Auxiliary Nodes
- Test out NERSC's New, Filesystem-Like HPSS Interface!
- 2021 ERCAP Allocations Process Closes Monday, October 5!
- Join Us for ERCAP Office Hours October 1 and 5!
- Applications for Better Scientific Software (BSSw) Fellowship Program Close September 30!
- SC21 Call for Planning Committee Volunteers Is Now Open!

Johannes: Julia

Others?

Topic of the day

PSPS season, and what you can do about it

- Last year we were alerted by PG&E for three potential PSPS events, and lost power in two of them.
- We don't always get a lot of notice, so l**ong-running jobs are at risk** of being terminated before they finish. One good solution is to use **checkpointing** to break your job into shorter spans. **Zhengji Zhao** from NERSC User Engagement Group will give some tips on checkpointing at NERSC, and then we'll have a **Q&A session** with Zhengji, NERSC Deputy of Operations **Jeff Broughton** and **Rebecca Hartman-Baker**, who leads the NERSC team that ensures our users are kept updated during such events.

Coming up

Next meeting will return to "3rd Thursday" schedule
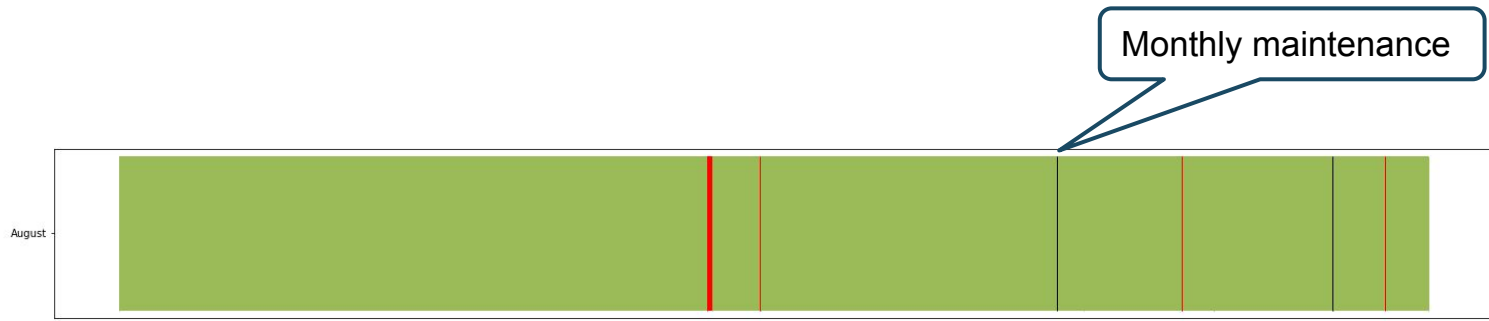
Topic requests/suggestions?

Last month's numbers - August

Scheduled and overall availability:

	Scheduled	Overall
Cori	97.3%	95.6%
HPSS	100.00%	100.0%
CFS	100.00%	100.0%

Cori:

Monthly maintenance

Last month's numbers - August

Cori Utilization: **97.3%**

Large jobs: **35.1%**

New Tickets: **494**

Closed Tickets: **592**

Backlog at 1 Sept : **485**

Thank You