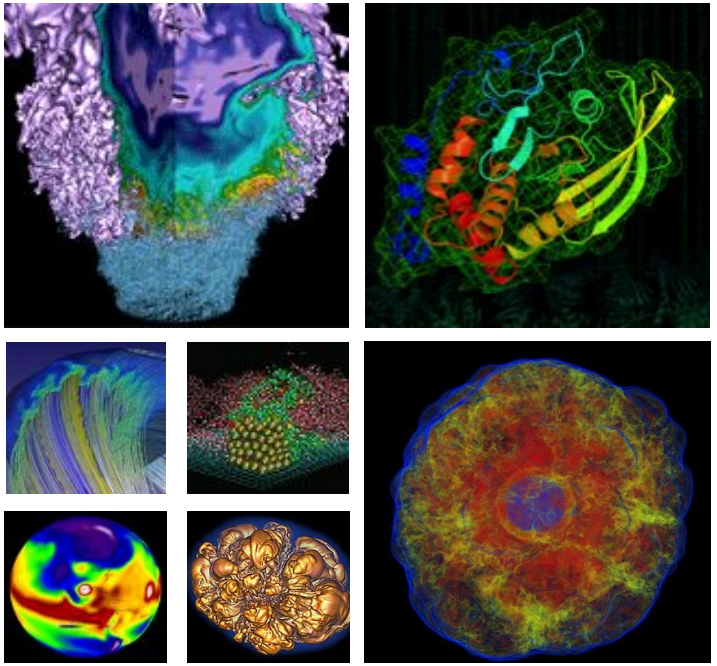
NUG Monthly Meeting



NERSC

17 February, 2022

U.S. DEPARTMENT OF ENERGY | Office of Science

BERKELEY LAB

Today's plan

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

- Agenda:
  - Win-of-the-month
  - Today-I-learned
  - Announcements/CFPs
  - Topic of the day: **How to use and contribute to NERSC documentation for users -** with Johannes Blaschke from NERSC
  - 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/)

Please let us know of award-worthy work from you or your colleagues - 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

See weekly email for these and more:

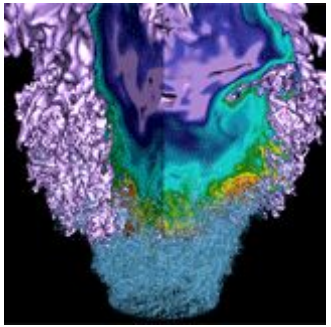
- **Cori OS Upgrade and New Default Environment in March 2022**
  - Statically-linked codes will need relink,
  - Rebuilding is recommended
- NERSC Summer internships
  - Are you, or do you have, a student looking for a summer internship? NERSC has several projects, check https://www.nersc.gov/research-and-development/internships/ for more information

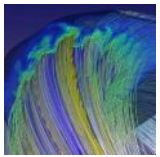
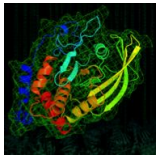
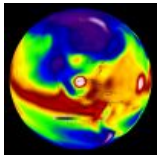
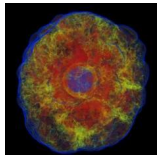
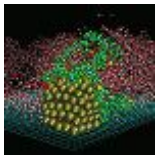
Announcements and CFPs

- NVIDIA Performance Tools for A100 GPU Systems Training on February 23
- Introduction to Programming with SYCL on Perlmutter & Beyond, March 1
- IDEAS-ECP Webinar on "Software Design Patterns in Research Software with Examples from OpenFOAM" March 9

- Others?

How to use and contribute to NERSC documentation for users



Johannes Blaschke, NERSC

U.S. DEPARTMENT OF ENERGY | Office of Science

BERKELEY LAB

Coming up

Upcoming topics:

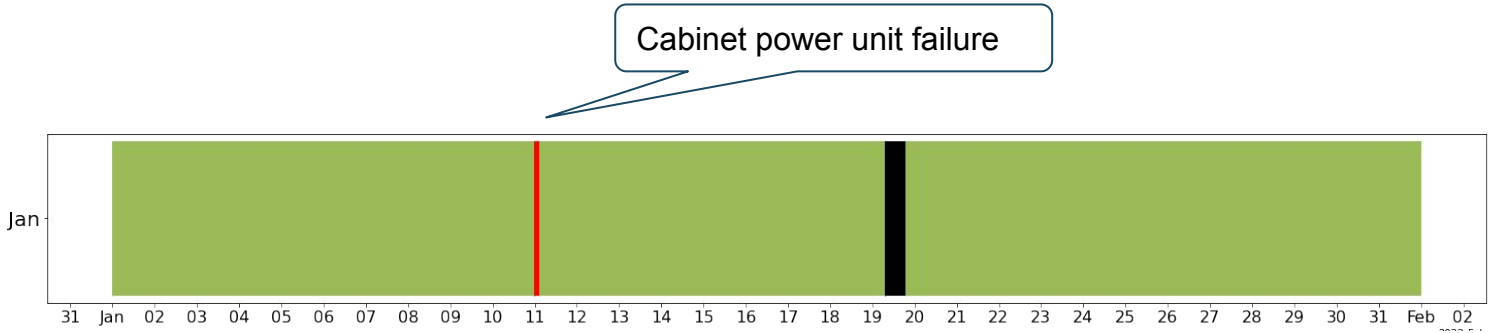
NERSC Annual User Survey - a first look at some outcomes

We'd love to hear more lightning talks **from NERSC users** about the research you use NERSC for!

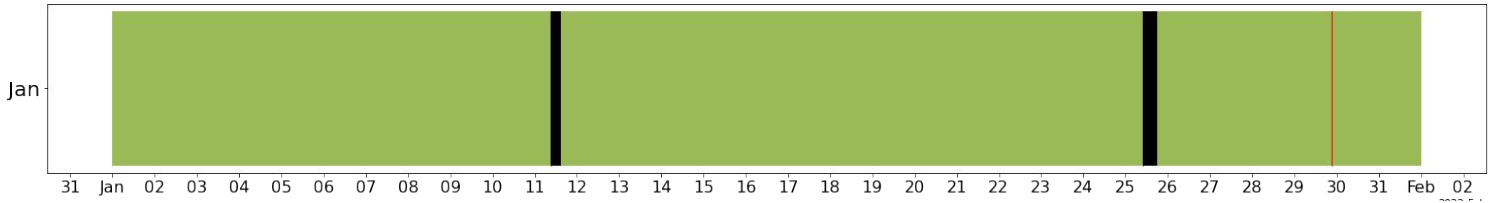
Nominate a topic at https://forms.gle/WjYx7zV7SAz2CaYz7

Last month's numbers - Dec

Cori: 1 outages (1 unscheduled totaling 2 hrs 0 min)



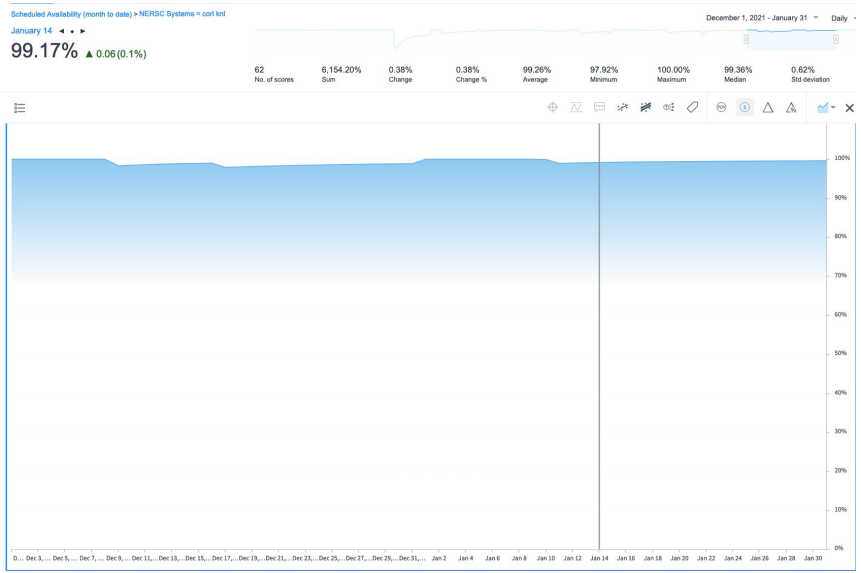
Perlmutter: 3 outages (1 unscheduled totaling 0 hrs 34 min)



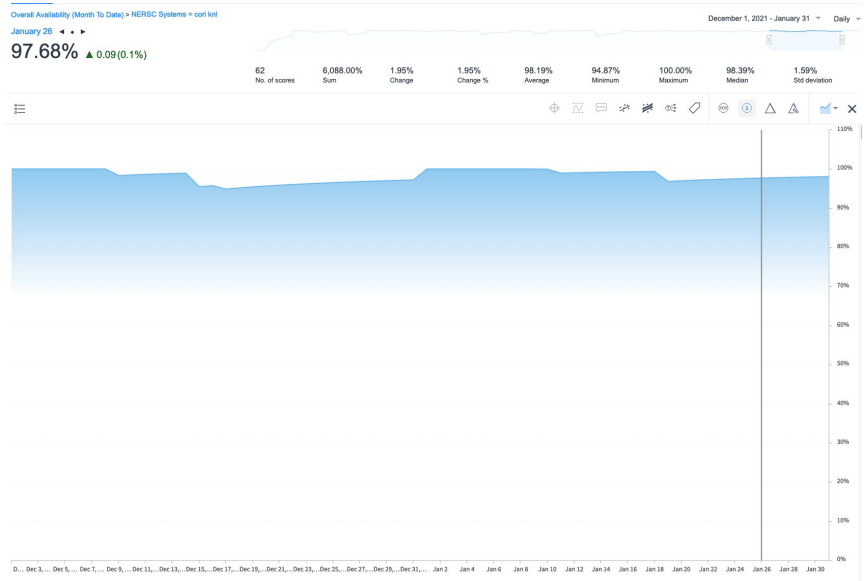
Last month's numbers - Dec

Cori KNL Availability:

Scheduled:

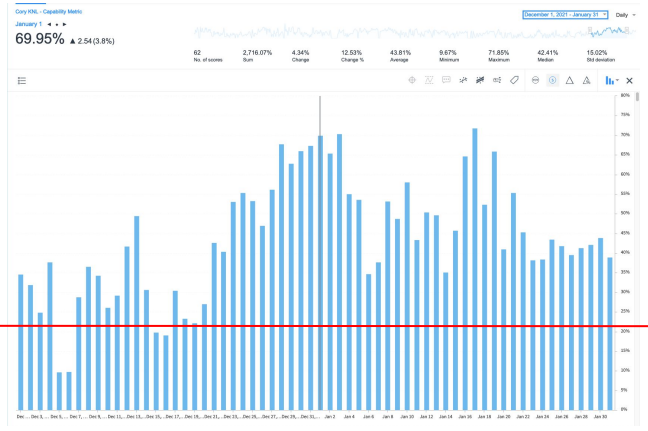


Overall:

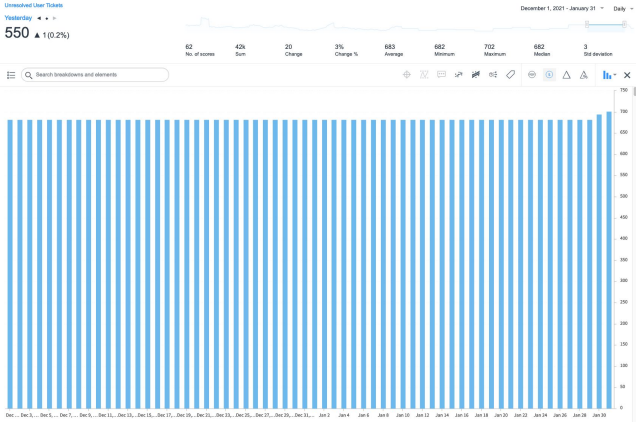


Last month's numbers - Dec

Capability metric:



Active/open tickets:



Thank You