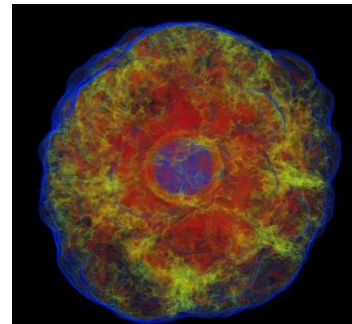
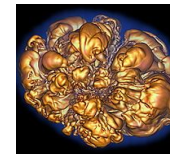
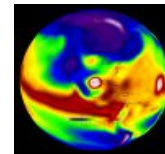
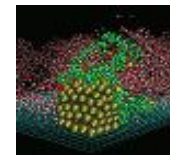
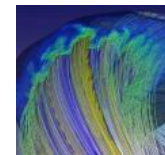
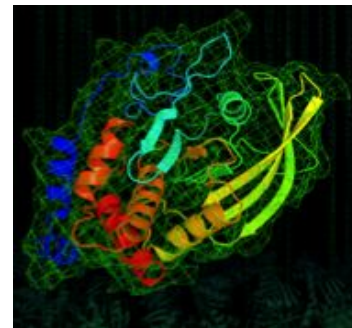
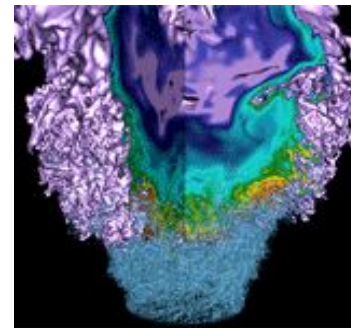


# NUG Monthly Meeting



18 March, 2021

# 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: **Parallelware tools for detecting code optimization opportunities**
  - 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



## Basics:

- "Compile" Queue Now Available on Cori!
- Reduction dates this year will be May 4 and September 7, 2021.

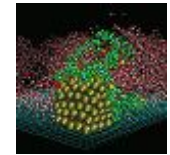
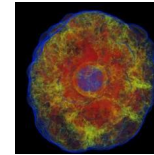
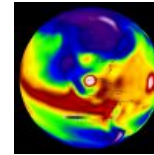
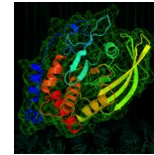
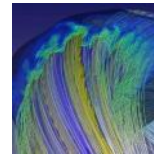
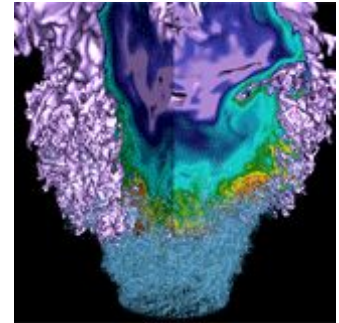
## Training Events:

- Join **ECP for Community Birds-of-a-Feather** Days March 30-April 1!
- Sign up for **Training on HPC Toolkit** on March 29 & April 2!
- Learn to Use **Spin** to Build Science Gateways at NERSC: Next **SpinUp Workshop** Starts April 15!

## Maintenance:

- **04/21/21 07:00-20:00 PDT, Scheduled Maintenance**
- **HPSS Archive Maintenance April 11-16 (Sun-Thur); All Data in Archive Unavailable for Duration**

# Topic of the day: Parallelware tools for detecting code optimization opportunities



Manuel Arenaz and Javier Novo Rodríguez  
Appentra ([www.appentra.com](http://www.appentra.com))

# Coming up

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Topic requests/suggestions?

- Eg: Perlmutter overview (non-GPU)?\*\*\*
- GPU porting guide?

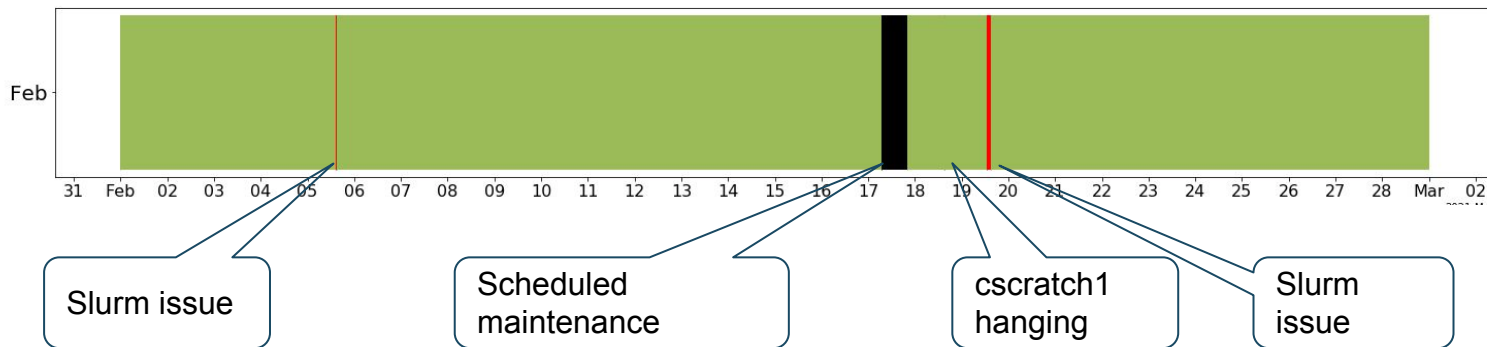
We'd love to hear some lightning talks **from NERSC users** about the research you use NERSC for!

# Last month's numbers - February



Scheduled and overall availability:	Scheduled	Overall
Cori	99.9%	98.0%
HPSS	100%	99.4%
CFS	100%	100%

Cori: 4 outages (1 scheduled, 1 unscheduled was too brief to be visible here)





# Last month's numbers - February

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Cori Utilization: 94.0%

Large jobs: 32.5%

New Tickets: 554

Closed Tickets: 603

Backlog at 1 Mar: 571



**Thank You**



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