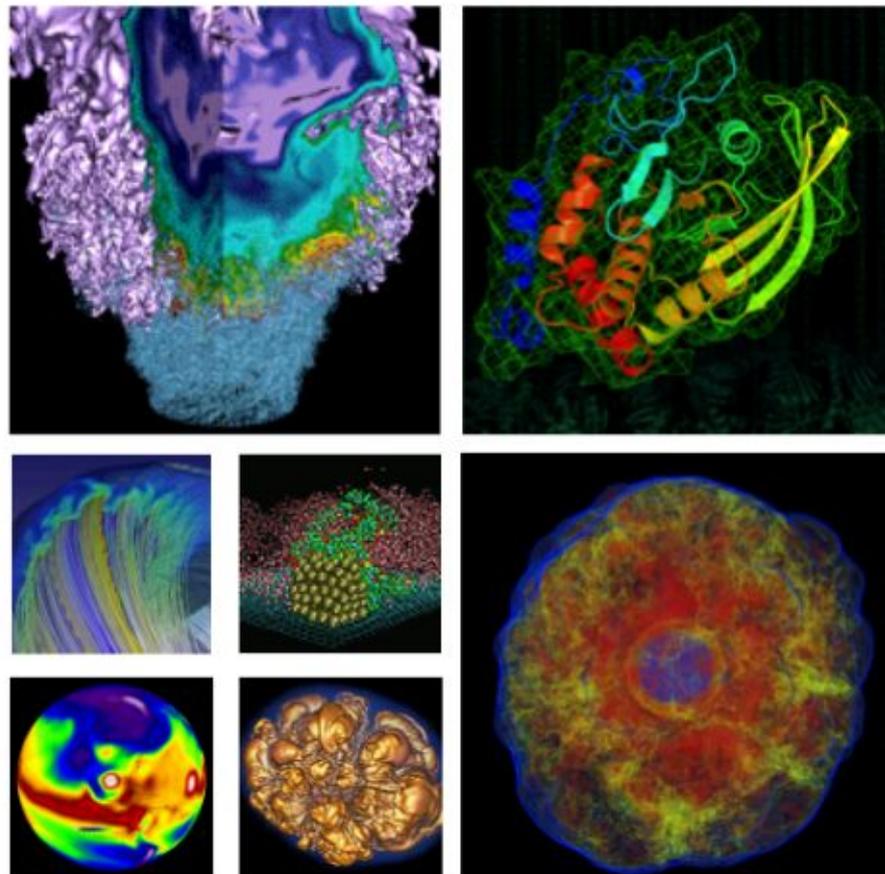


NERSC Users Group Monthly Meeting



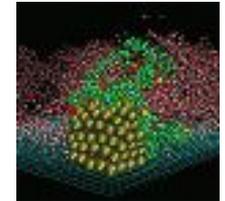
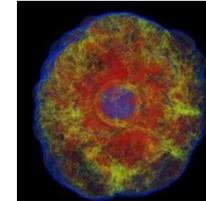
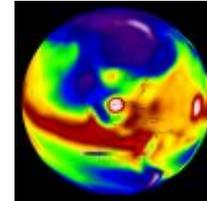
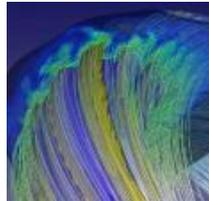
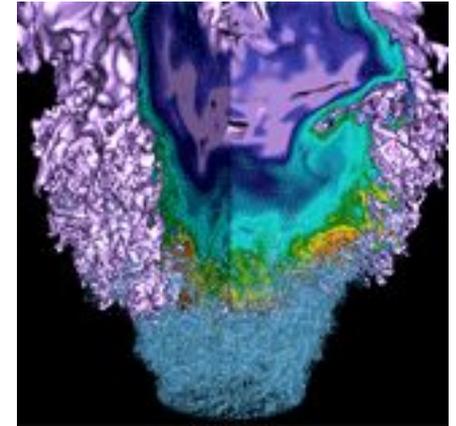
January 24, 2019

Agenda

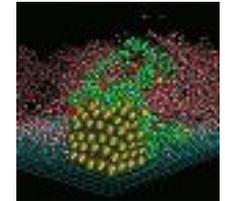
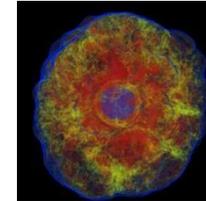
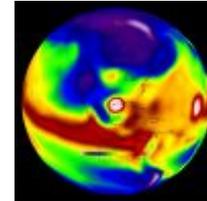
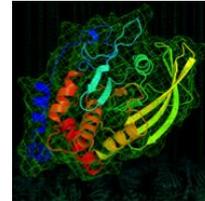
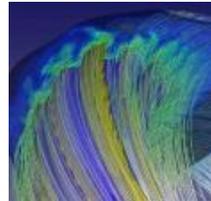
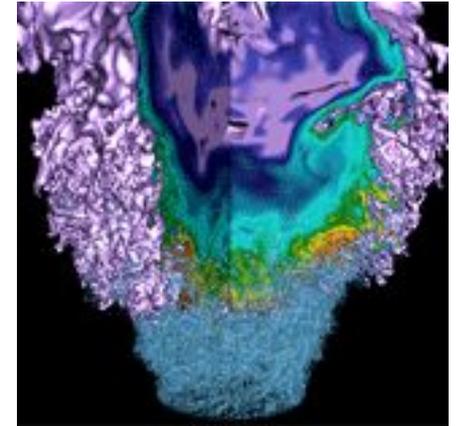


- **Setting up and Using sshproxy**
- **Upcoming NERSC Training Opportunities**

Setting up & Using sshproxy



Upcoming NERSC Training Opportunities



Upcoming NERSC Training



- **NERSC is offering an array of training on many different topics in the next few months**
- **Focusing on:**
 - New Users
 - Edison to Cori KNL transition
 - Applications
 - Perlmutter
 - SPIN

New User Training



- **First training: tomorrow! (not too late to attend remotely)**
- **Expect new user training quarterly**

Edison to Cori KNL Transition



- **Edison scheduled to retire March 31**
- **Cori KNL Programming & Optimization training**
 - 1st session: Feb 12-13
 - <http://www.nersc.gov/users/training/events/cori-knl-programming-and-optimization-feb2019/>
 - First day training by Cray & NERSC experts; second day hackathon (bring your own code)
 - 2nd session: Apr 16-18
 - <http://www.nersc.gov/users/training/events/cori-knl-programming-and-optimization-apr2019/>
 - 1st day training by Cray/NERSC; 2nd-3rd day hackathon

- **Q-Chem training: Jan 31**
 - <http://www.nersc.gov/users/training/events/q-chem-user-training-13119/>
- **Look for more application training in summer**

- **Users need to learn to port/optimize for Perlmutter**
- **Look for trainings & hackathons for GPU architectures**
- **Performance Portability with Kokkos: March (date TBD)**
 - <http://www.nersc.gov/users/training/events/performance-portability-with-kokkos/>
 - Get started (or improve existing code) with Kokkos, a programming model written in C++ that is portable across diverse architectures (including GPU)

- **Spin: new Containers-as-a-Service (CaaS) platform at NERSC based on Docker container technology**
 - can be used to deploy web sites & science gateways, workflow managers, databases & key-value stores, & network services that to access NERSC systems and storage on the back end.
- **SpinUp training offered quarterly:**
 - Jan/Feb (current class)
 - Apr/May:
<http://www.nersc.gov/users/training/events/spinup-apr-2019/>
 - July:
<http://www.nersc.gov/users/training/events/spinup-jul-2019/>

NERSC

The End