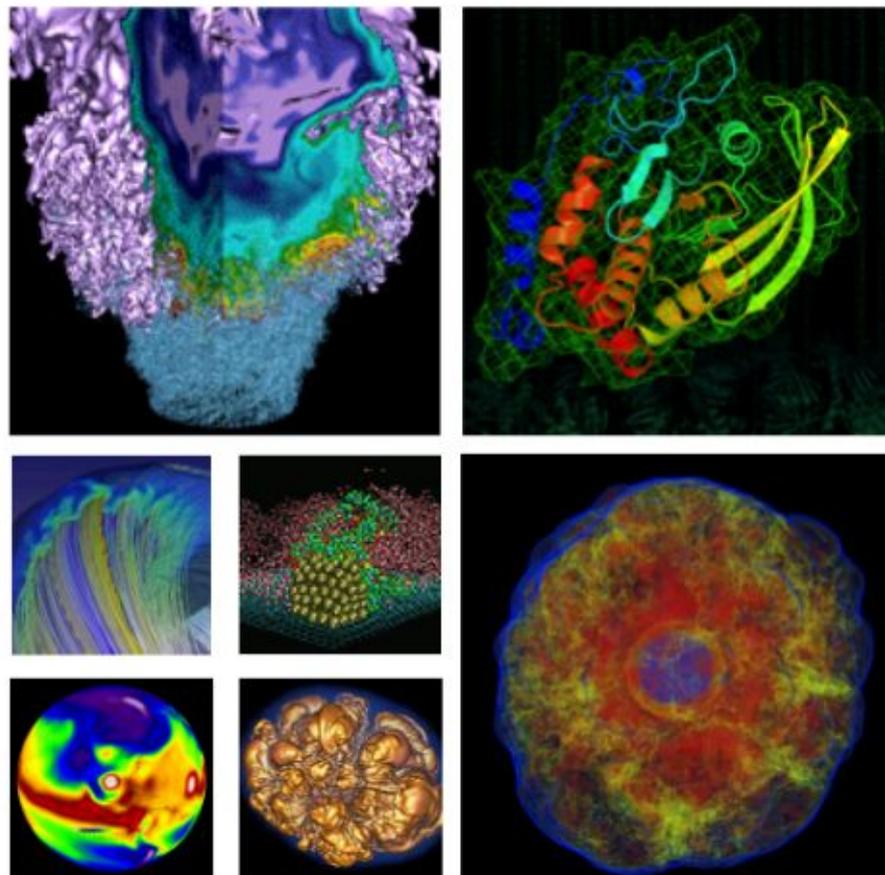


NERSC Users Group Monthly Meeting



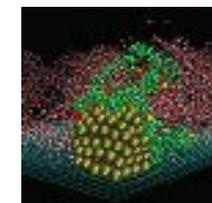
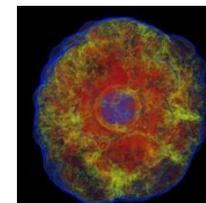
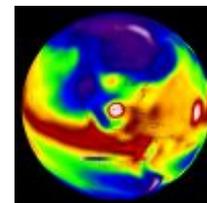
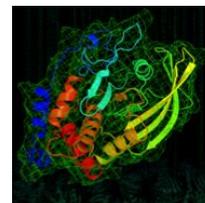
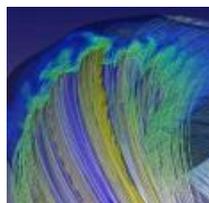
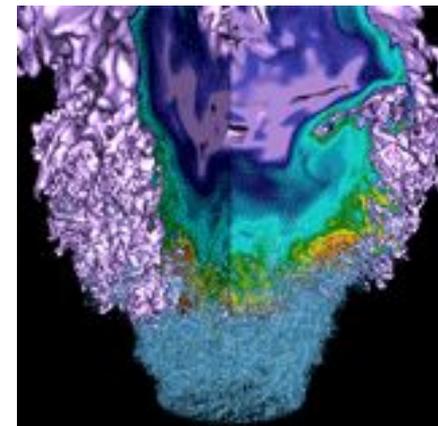
February 21, 2019

Agenda



- **Edison Retirement Plan**
- **Upcoming NERSC Training Opportunities**

Edison Retirement Plan



Edison Retirement Plan



- **Edison will retire on *Monday, May 13, 2019***
 - Edison compute nodes and scratch systems
- **Between now and then:**
 - Minimal changes will be made to Edison
 - No new software will be installed for users (e.g., no new versions of math libraries)
 - Edison will continue to have monthly maintenances and may undergo an OS upgrade

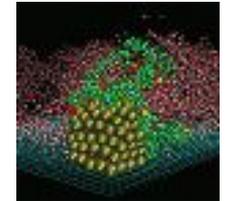
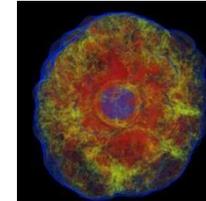
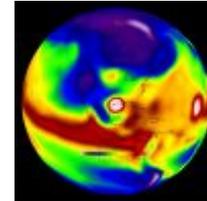
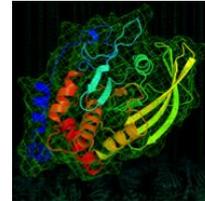
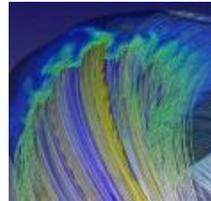
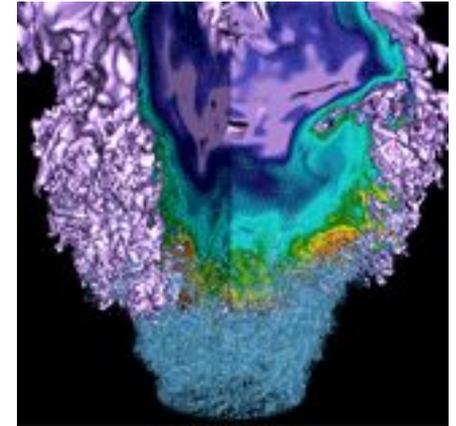
Edison Retirement Schedule



- **Monday, May 13, 7:00 am:**
 - Edison will be rebooted
 - No user jobs will run after this reboot
 - After reboot, users can still log in and access Edison scratch systems
- **Monday, May 20, 7:00 am:**
 - Edison taken offline for users
 - After this date, all scratch data is inaccessible (Note: home & project directories are mounted on all systems; no need to archive data from these filesystems)
- **May-June:**
 - Edison disassembled to make space for Perlmutter

- **Back up your data from Edison scratch NOW!**
 - If backing up to HPSS, use htar to concatenate small files into larger archive files
 - If you need help, please submit a ticket
- **Cori Haswell queues will become even more congested**
 - Now is a good time to try getting your code working on KNL
 - Let NERSC help you:
 - Attend KNL training in April
 - Seek consultant advice through a ticket

Upcoming NERSC Training Opportunities



Upcoming NERSC Training



- **NERSC is offering an array of training on many different topics in the next few months**
- **Upcoming training courses:**
 - Kokkos Bootcamp
 - Edison to Cori KNL transition
 - Spin

- **Performance Portability with Kokkos: March 26-29**
 - <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)

Edison to Cori KNL Transition



- **Edison scheduled to retire May 13**
- **Cori KNL Programming & Optimization training**
 - 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

- **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:**
 - Apr/May (registration now open!):
<http://www.nersc.gov/users/training/events/spinup-apr-2019/>
 - July:
<http://www.nersc.gov/users/training/events/spinup-jul-2019/>

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The End