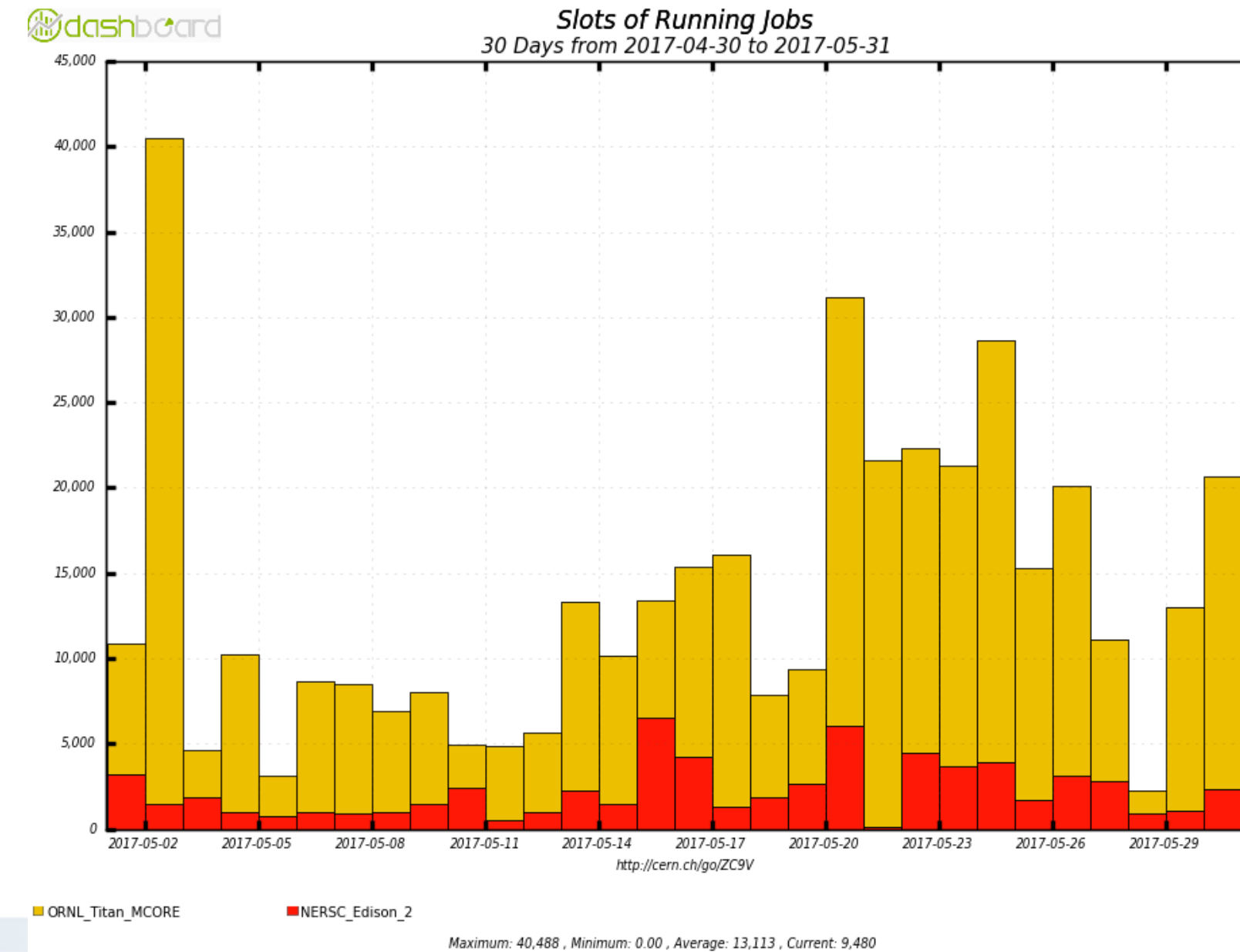
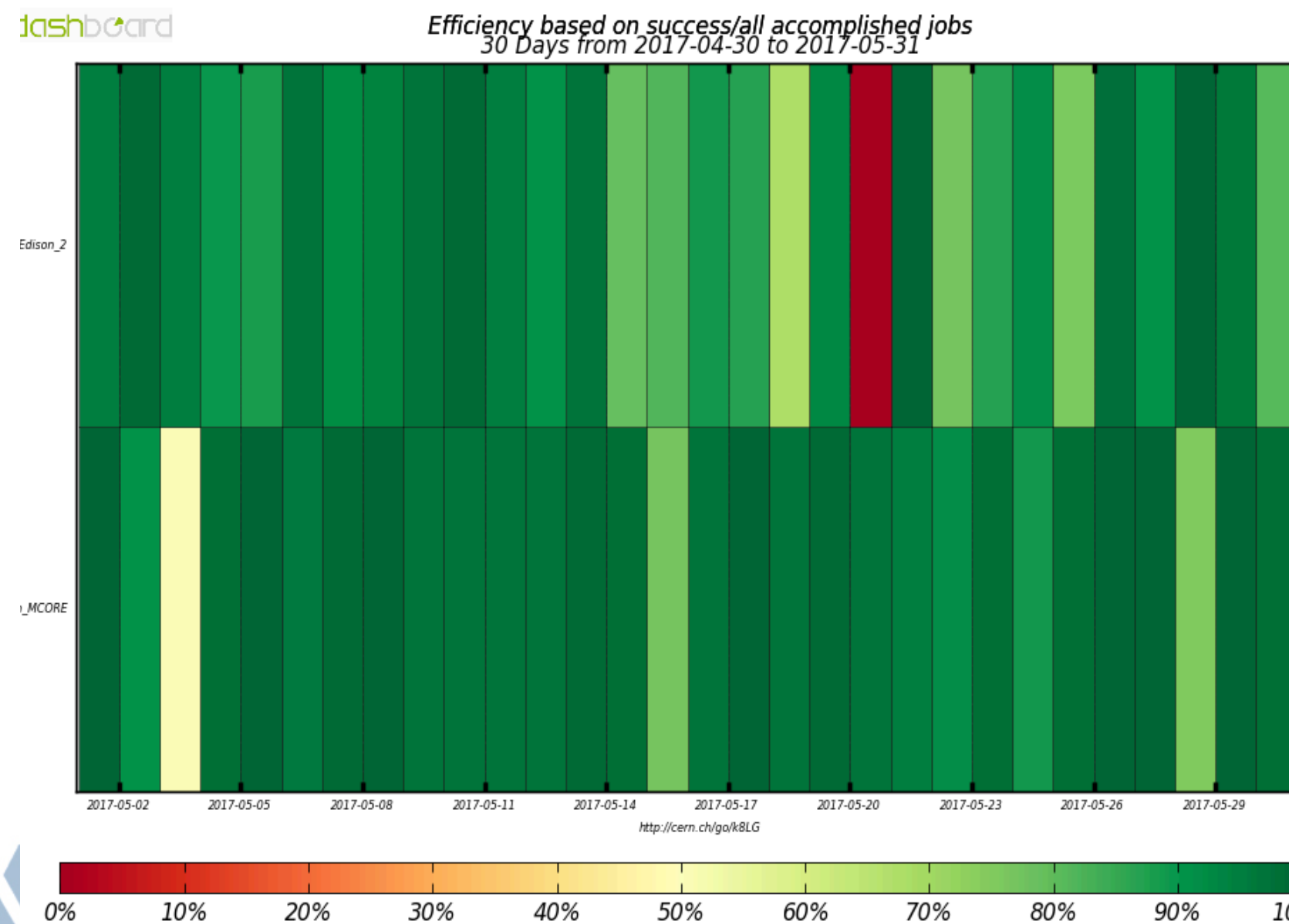
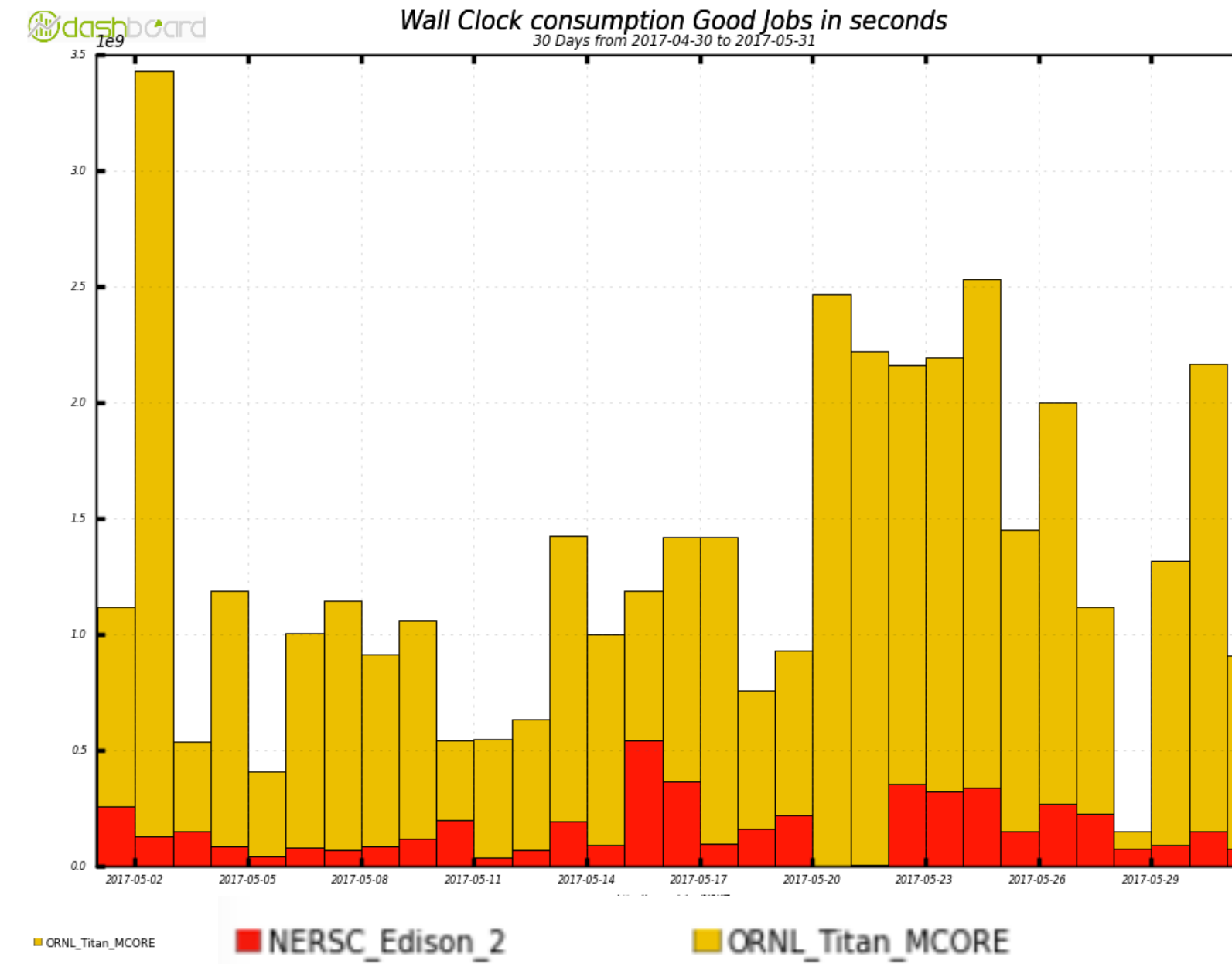
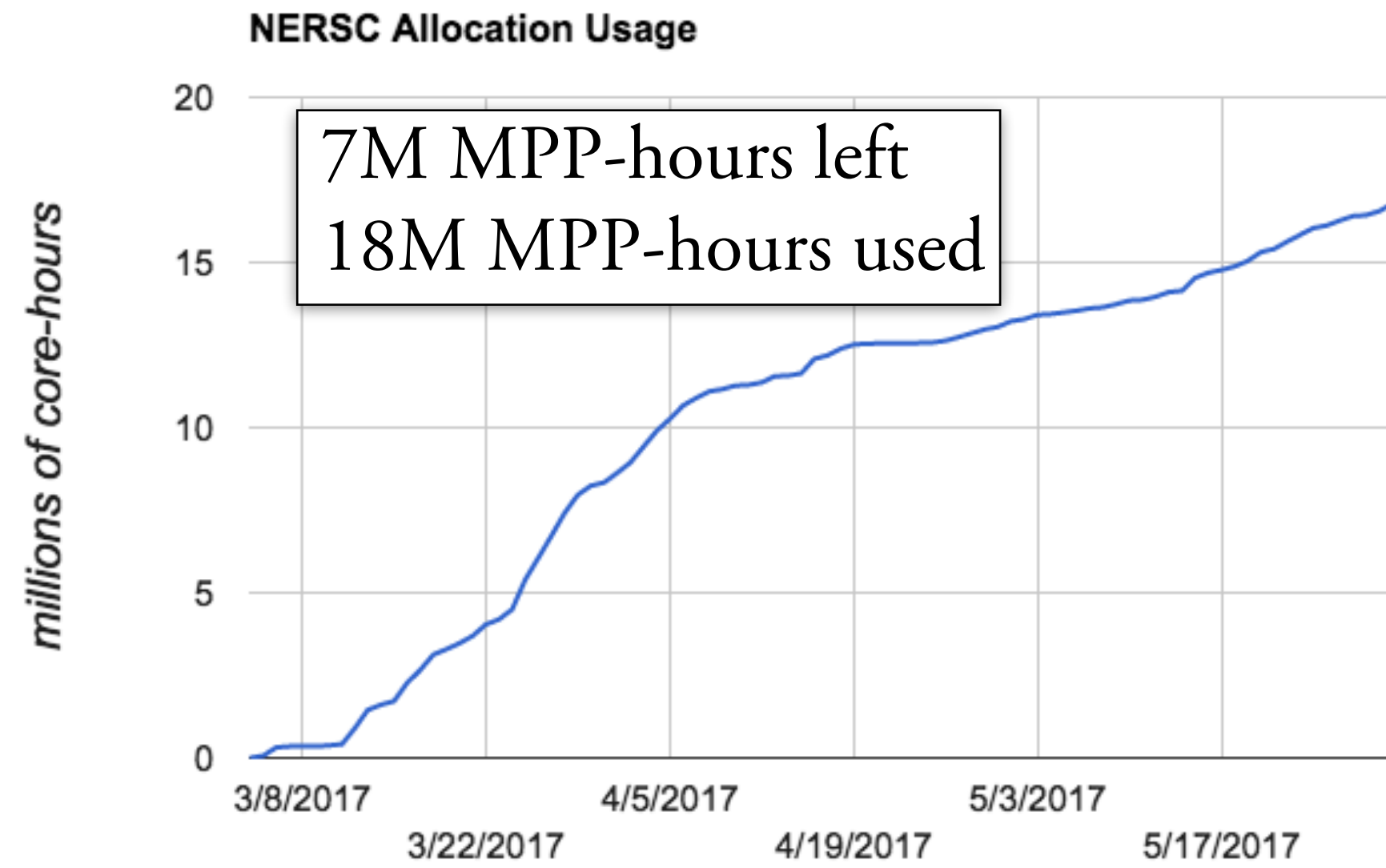


Titan/NERSC Running Summary



Cori Phase-2: KNL Validation

- ▶ Running Validation jobs to validate KNL
- ▶ Frequently running into system-level problems that impede work
- ▶ Vakho going to start monitoring jobs to understand failures.
- ▶ After validation, production jobs will be run.



Cori Phase-2 is the new Intel Xeon Phi (KNL) machine. Currently, free to use. #5 on Top500

Theta Integration with Harvester

- ▶ Theta is the Argonne test system for Aurora (due in late 2018). It is KNL like Cori Phase 2.
- ▶ Theta was down for a week and was just back last week.
- ▶ Doug is deploying Harvester on Theta without Event Service (without Yoda)
 - Harvester core components deployed and performed unit tests provided
 - Doug wrote a stage-in/out plugin which can be used for both Theta/Titan
 - Completed working on details of understanding the job submission using Cray tools.
 - Debugging stage-out, and updating submitter due to local scheduler upgrade
- ▶ Taylor is refactoring Yoda (the MPI application that runs AthenaMP on each node) to interface with Harvester.
 - Redesigned my implementation 1.5 weeks ago. New designed implemented, beginning unit tests
 - Then tests with Harvester on Theta, then passing on to Danila for tests on Titan



Titan Harvester Deployment

- ▶ Danila and Sergey have deployed Harvester on Titan and performed the unit tests provided
- ▶ submitter and monitoring components will be deployed this week.
- ▶ Stage-out is waiting for pilot 2.0 API
- ▶ Preparing the payload (Yoda) environment
- ▶ Preparing the post-processing, e.g. recording exit-codes, messages, etc.
- ▶ Then waiting for Yoda payload.

Weekly US HPC Facilities Meeting

- ▶ We've started having weekly US ATLAS HPC facilities meetings on Friday's at 11:00 US Central Time
- ▶ <https://indico.cern.ch/event/640717/>
- ▶ The goal is to coordinate our efforts to deploy Harvester and unify our infrastructure as much as possible.
- ▶ Currently mainly attended by those working to employ DOE leadership machines, but would welcome input from other sites as well, Blue Waters & Stampede, for instance.

