

# January CHIPP @ CSCS Review

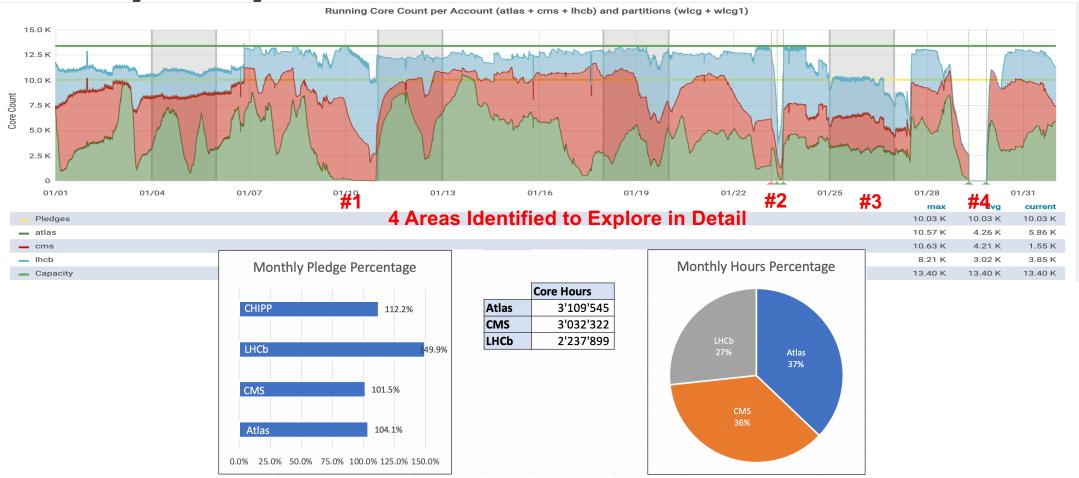
Nicholas P. Cardo, CSCS February *tbd*, 2020

#### **Activities**

- 2020 Maintenance Schedule:
  - May 13<sup>th</sup>, 2020
  - September 9<sup>th</sup>, 2020
- Accounting Data Verified, awaiting EGI cleanup
- Completed an 8 day test of using reservations to flatten Atlas utilization
  - Preliminary report out for review
- In the process of configuring a dCache Test Lab
  - Goal is to match the production system and test the upgrade steps
  - Will be able to spot problems before applying changes to the production system
  - Also allows for optimizing upgrades to complete more efficiently
  - Evaluating the change logs of previous versions to spot changes and adapt the configuration



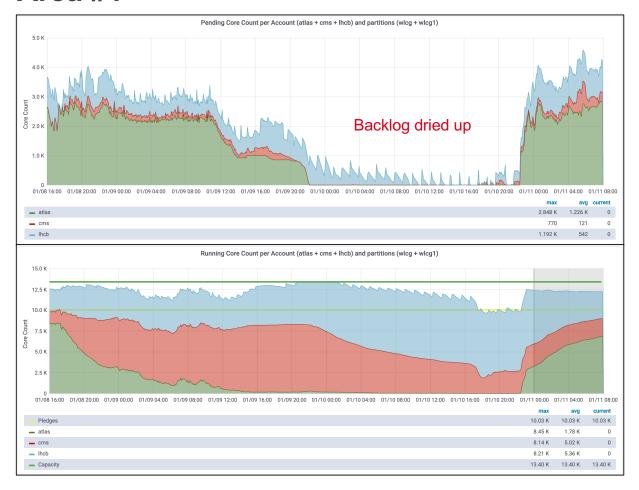
## **January Monthly Utilization**







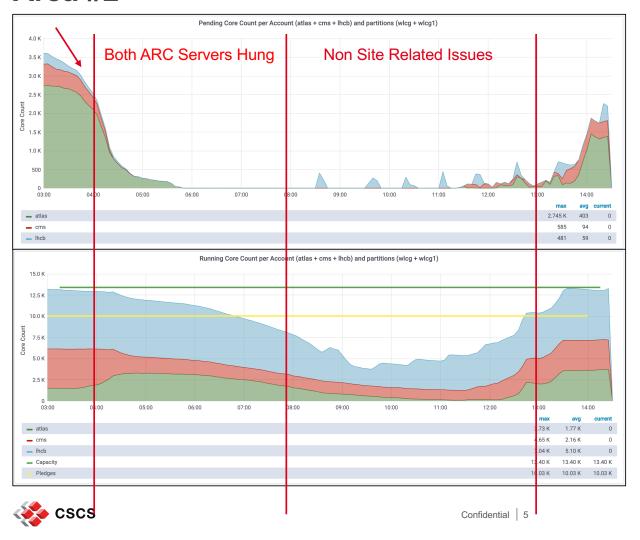
### Area #1



Backlog dried up for unknown reasons. Presumed to be non site related. Primarily affected Atlas.



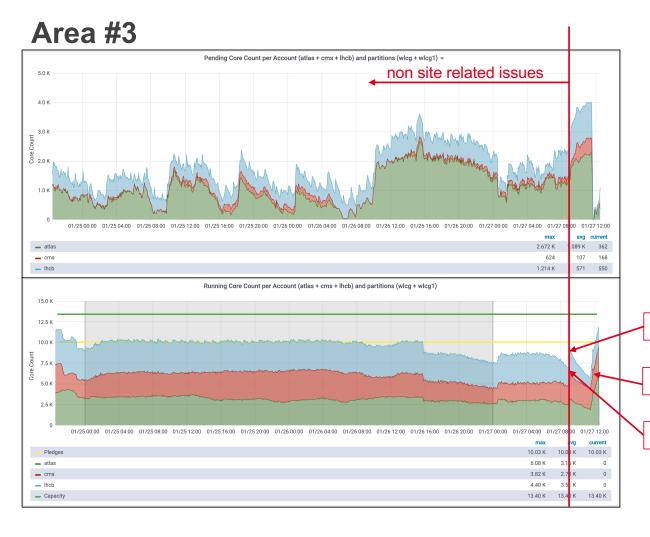
#### Area #2



ARC Servers Hung: Both ARC servers hung and required restarting.

A non site related issue drained the site's pending workload. This possibly began prior to the ARC servers hang as a decline in pending work can be observed (see arrow).

The result was that a large amount of computing time went unused due to not having a backlog of work as a result of the non site related issue. This primarily affected Atlas, but all 3 VOs seem to have been impacted.



Unknown non site related issue affected utilization. A large amount of compute hours went unused.

Oversight in leaving CHIPP nodes in maintenance reservation. Reservation kicked in right after non site related issue was resolved.

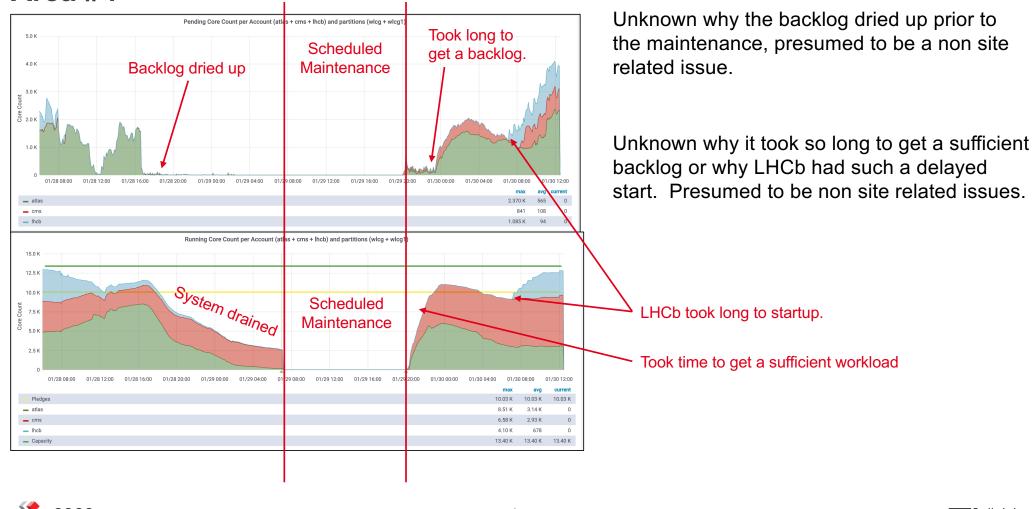
Maintenance reservation started

CHIPP nodes released from maintenance reservation

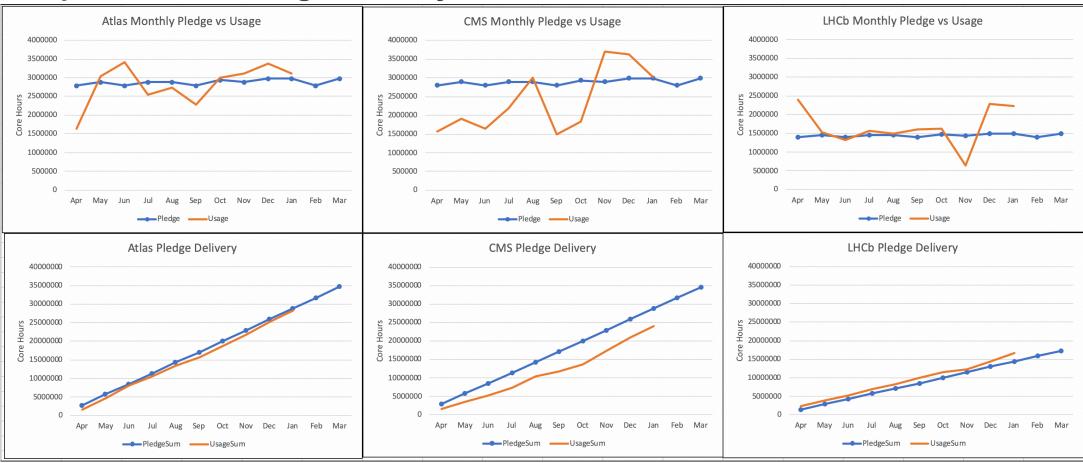
Issue resolved



#### Area #4



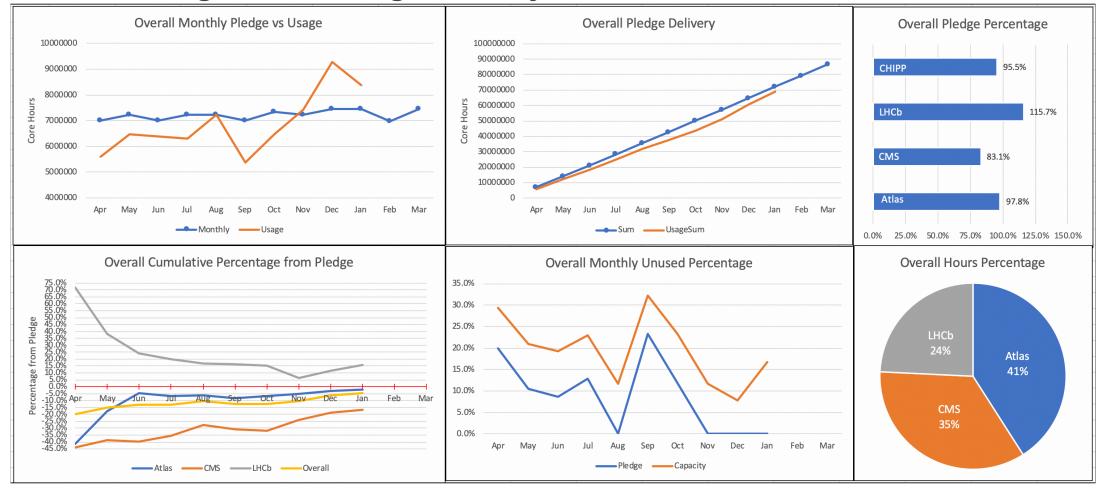
# April 1, 2019 through January 31, 2020 VO Utilization







# **CHIPP Progress on Pledge Delivery**







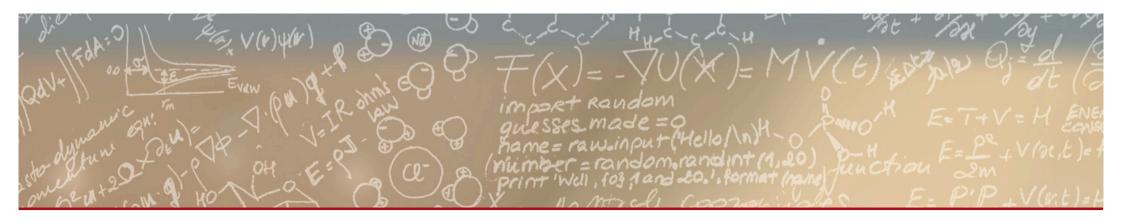
### **Summary**

- All 3 VOs exceeded their monthly pledge
- CHIPP exceeded the monthly pledge
- Several non site related issues affected utilization
  - Resulted in lower than expected consumption of resources
- Would be useful to get a report of the non site related issues so that they can be documented for future reference









Thank you for your attention.