

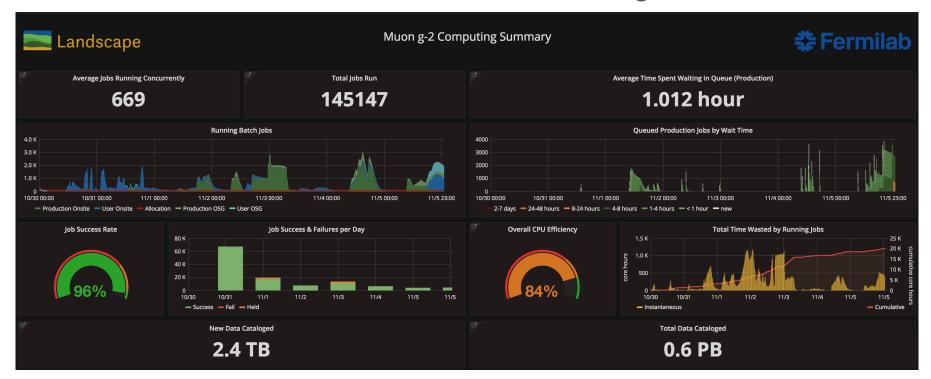


Muon g-2 AEM Update

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Computing Update

- Some high-rate data reprocessing
- Monte Carlo sims w/ June 2017 run configuration



 Expect this to be ramping up late this week (high-rate laser tests) or early next week (beam)



Shutdown update week of 10 / 30

- Inflector (magnet to inject beam into ring)
 - Isolated glitches, preparing to reconnect
- Kicker and Quads (Injection systems to put/keep muons on proper orbit in ring)
 - Continue to upgrade the controls of these systems. Both were pulsing @ nominal over the weekend
- IBMS (Incoming Beam Monitoring System to measure profile of beam at end of beamline)
 - Reinstalled last week, reconnecting to the DAQ
- Fiber Harps (in-ring beam profile monitors)
 - Installed, recommissioned over the weekend → alignment today
- Calorimeter (measure decay positrons from muons)
 - Final tweaks. Operating 16 / 24 calorimeters. Ready to recommission final 8 tomorrow.
- Tracker (measures spatial profile of decay positrons)
 - Additional testing of limiting conductance between trackers and quads.
 - Subset of 4/16 installed modules in 2 stations. Ready for all 16 module test
- Trolley (Maps the magnetic field when the muon beam is off)
 - Returned to Fermilab last week, vacuum preps complete
- Cryopumps (increases pumping speed to storage ring)
 - Continued Infrastructure installation



Plan Forward

- Main focus for Week of Nov 6th:
 - In vacuum work
 - Final Collimator Surgery/Repair
 - Move Kicker Pulse Magnetometer to K2
 - Trolley installation
 - Visual verification of trolley + (collimator/fiber harp / magnetometer)
 clearances via GoPro
 - Install cryopump gate valves (Three)
 - Complete cryopump infrastructure
- Main focus for Week of Nov 13th:
 - Preparing for first beam week of Nov 13th (~Thurs Nov 16th target)
 - Field measurements with trolley
 - Cryopumps at least 2 weeks out
 - Install Trackers up to the vacuum spec
 - Inflector/Quad/Kicker tuneup