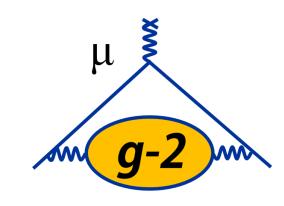


David Flay, Operations Manager
Proton PMG
7 November 2019





Highlights in Last Month

Magnets

- CTCR testing completed
- Performed a 60-K warmup to improve cryogenic vacuum successful, and cooled back down
- Main ring + inflector powered to full current

Kicker

- Upgraded connectors on all three Blumlein systems
- 10-hr tests performed to verify operation (Run 2 settings)
- Magnetometer upgrades (to measure kick strength); measurements in progress

Electrostatic Quads

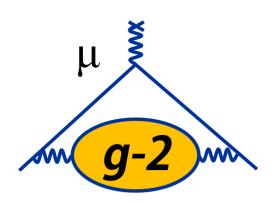
- Installed additional transformers for increased RF power (CBO reduction)
- Verified operations at Run 2 settings

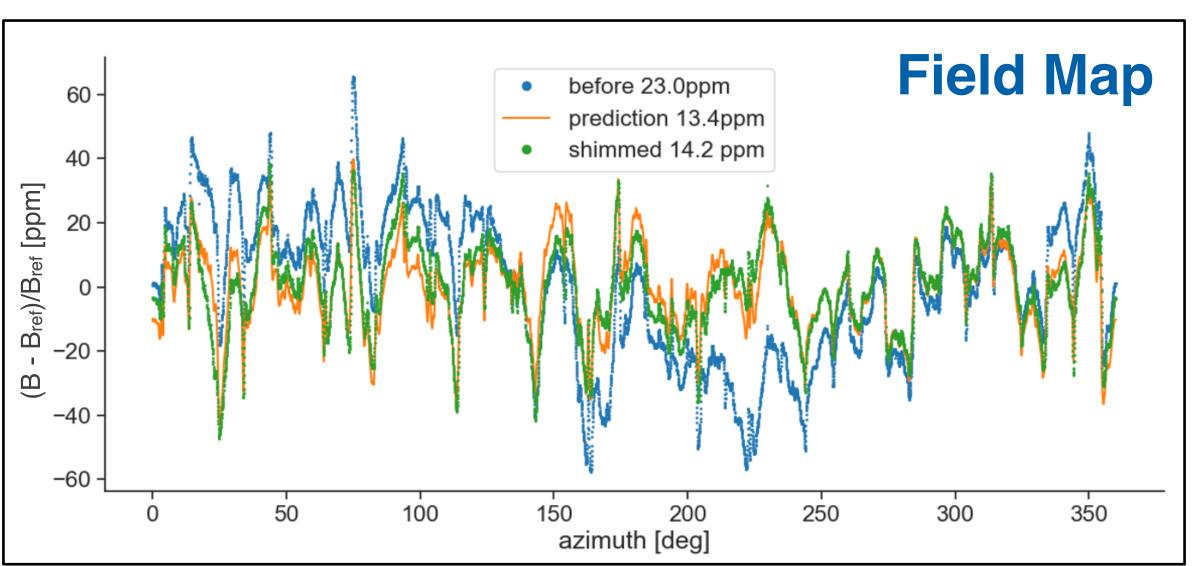
Field

- Mechanical (wedge) shimming to improve field uniformity
- Systematic studies with quads pulsing ongoing

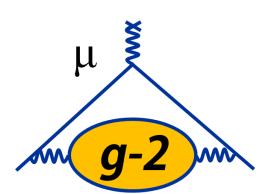




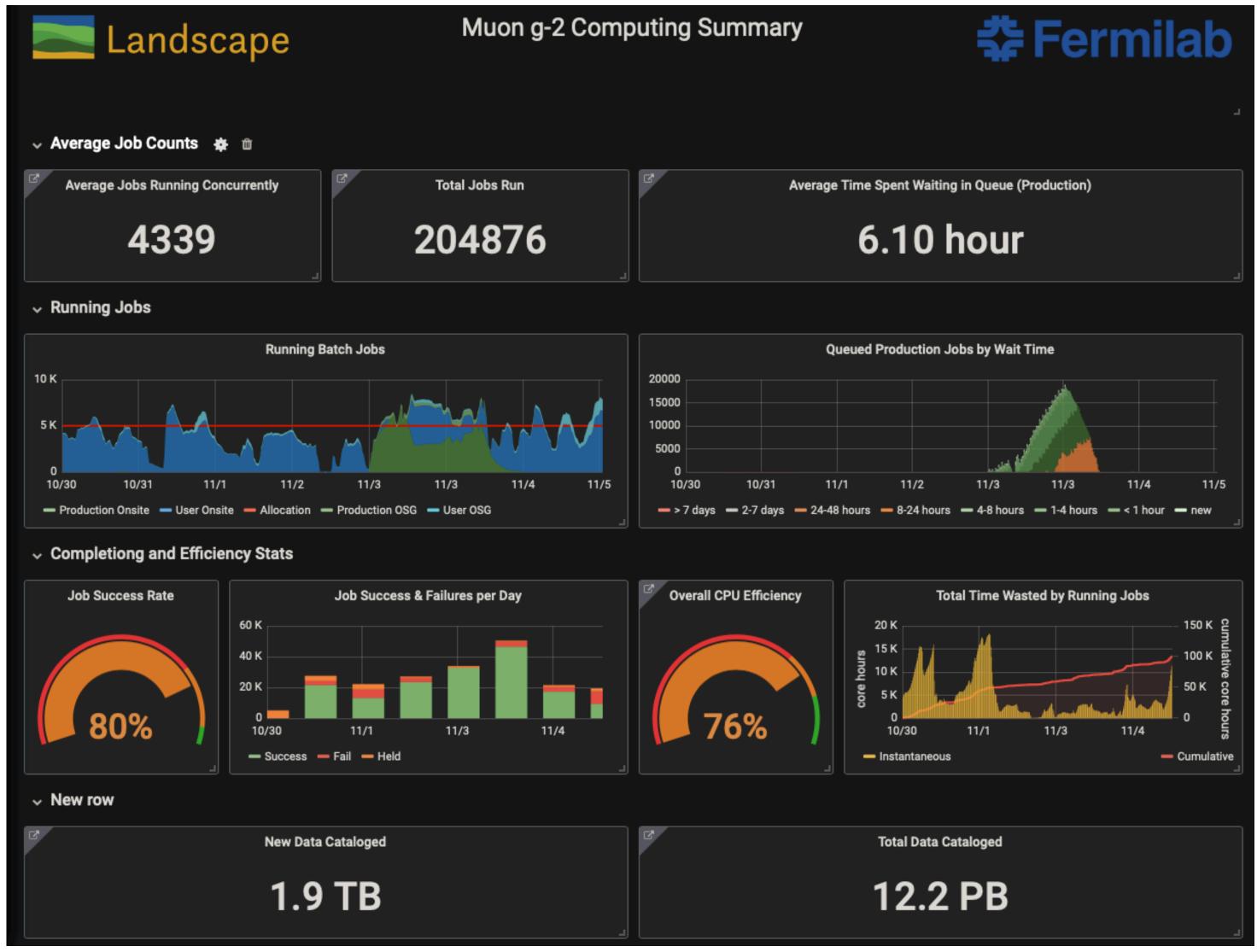




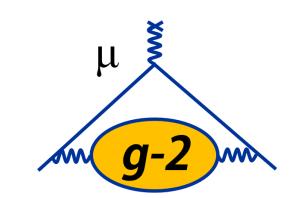
Computing Status



- Job success rate is ~80%
- Using ~5000 slots on FermiGrid
- Now using grid resources at Liverpool; adding Manchester and Lancaster next month



Run 3 Commissioning Schedule



System	10/7-10/13	10/14–10/21	10/22–10/27	10/28–11/3	11/4-11/10		11/11–11/17	11/18–12/1
Magnet	to full power				today			
Inflector	Quench							
Kicker	Quad/Kicker interference		pport construction in connectorization		M	lagnetomet studies	er	
Quads	studies							
Field	Field studies w/Quads		Shimming (wedges)	Field maps (shimming confirmation)		Field studi w/Quads		
Laser			Cod	oling installation		Double-p	oulse studies	