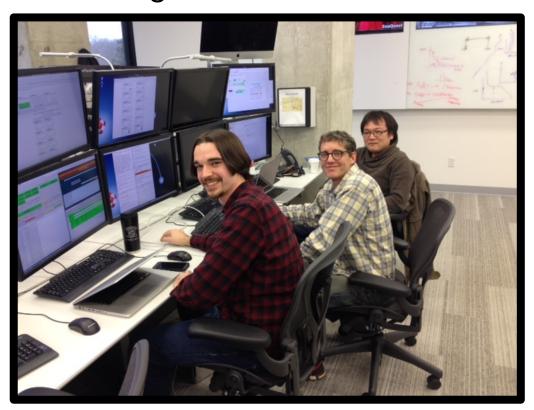
MICROBOONE STATUS REPORT

WESLEY KETCHUM (LANL)

OCCUPYING THE CONTROL ROOM!

You may notice some new people in ROC West...

Using control room as base for many Readout/DAQ pre-commissioning tasks



READOUT

Final pre-commissioning tasks

- Testing and debugging of TPC readout and trigger FPGA firmware
 - Validating lossless Huffmann compression and lossy "SN" compression streams
- Verified final configuration procedure and monitoring of readout electronics' status
- Fully connected readout, ASIC configuration, and ASIC calibration cables

DATA ACQUISITION

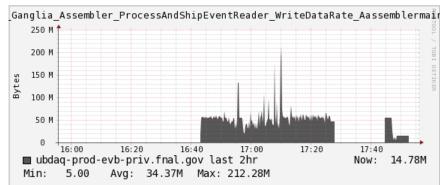
Running full system tests with DAQ

- 9 TPC readout crates + PMT/TRIG crate
 - Also have incorporated laser sub-system
- External trigger mode (pulser) at ~Hz
- Investigating and modifying custom metrics for monitoring and debugging

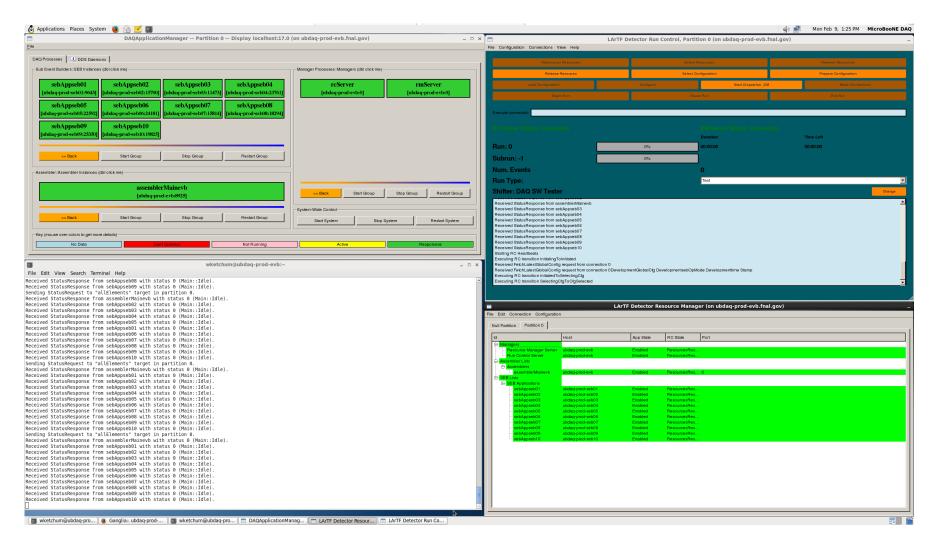
Incoming data rate on Event Builder

AQ_Ganglia_Assembler_ReceiveFragments_ReceivedDataRate_Aassemblermainevt 250 M 200 M 150 M 100 M 50 M 100 M 10:00 16:20 16:40 17:00 17:20 17:40 ubdaq-prod-evb-priv.fnal.gov last 2hr Min: 7.40M Avg: 51.76M Max: 206.38M

Disk writing rate on Event Builder



SCREENSHOT!



CRYOGENICS

- ODH 1 status below grade
 - Restricted access procedures in place
- Leak checks ongoing
- Laser flange testing complete
- Contract for liquid argon imminent
- Paying close attention to cryogenics control systems in preparation for the fill

ONGOING AND UPCOMING TASKS

- Hardware interlocks
- Wire bias HV checkout
- Muon tracker installation
- Operating slow control monitoring
- PMT LED-calibration system testing
- Offline Software Review (Feb 23-24)