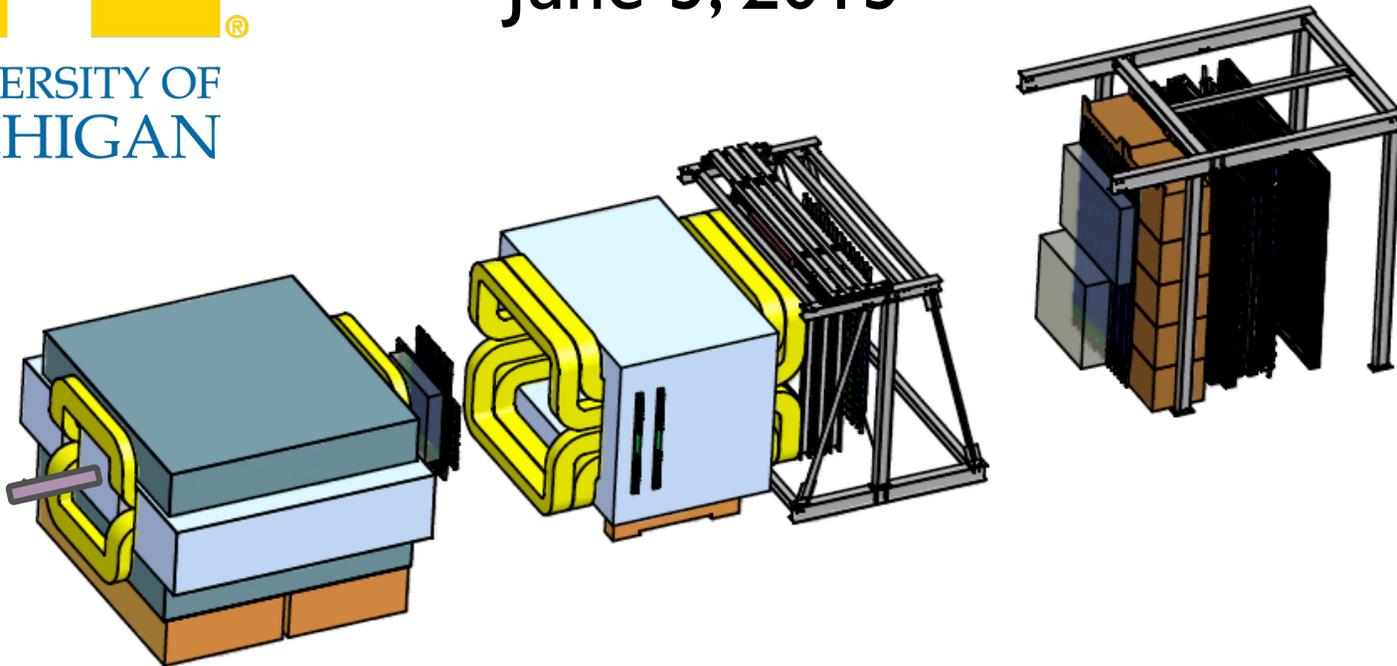


SeaQuest AEM Report



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June 3, 2013



beamline

Sleeving:

- Stainless beam pipe manufactured and delivered to G2
- Welders certified to join high molybdenum stainless
- Pressure cleaning required before sleeving can begin



Cherenkov intensity monitor:

- provides bucket-by-bucket intensity measurement
- Software and readout development progressing (spectral analysis, trigger veto, local bucket occupancy)
- The same electronics and readout will be used for a scintillator intensity monitor at the new high-rate tracking test facility. This provides a chance to test and optimize readout before SeaQuest receives beam.

summer students...

Students, faculty, and other new arrivals have doubled the number of on-site SeaQuest personnel – this is a huge help!

Institute	Tasks
Abilene Christian University	hodoscopes, electronics assembly, on-line software
Academia Sinica	electronics
University of Illinois	hodoscope bases, readout electronics
University of Michigan	beamline readout software, drift chamber rehab, offline software + analysis

drift chambers

Station

Status

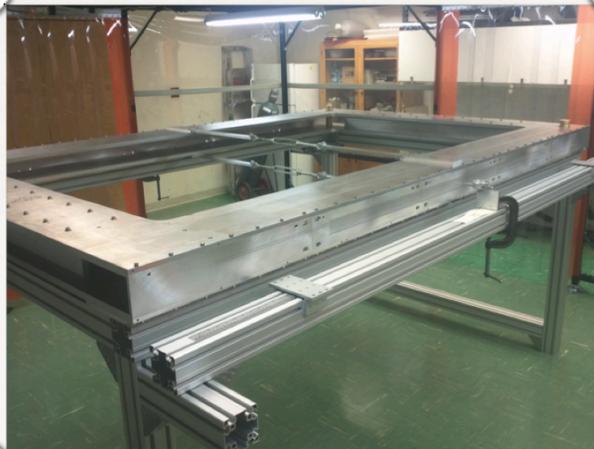
I (old) most repairs done, replacing damaged window

I (new) wire stringing in progress

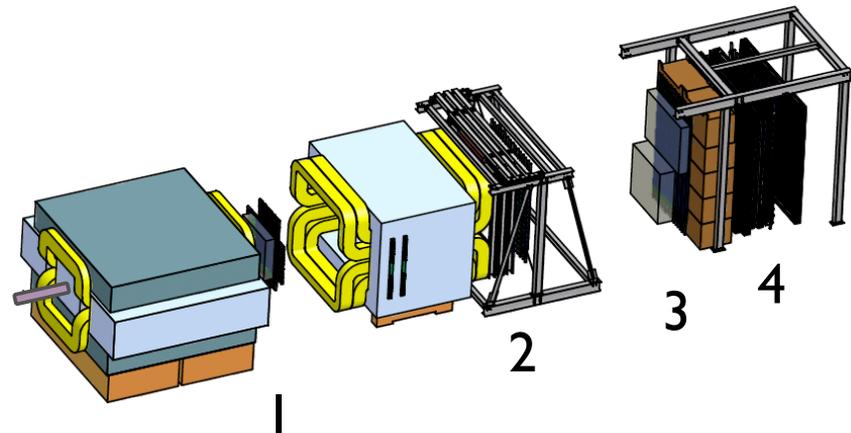
2 ~in position/ready~

3+ ~in position/ready~

3- (new) high-voltage training... ready to hang

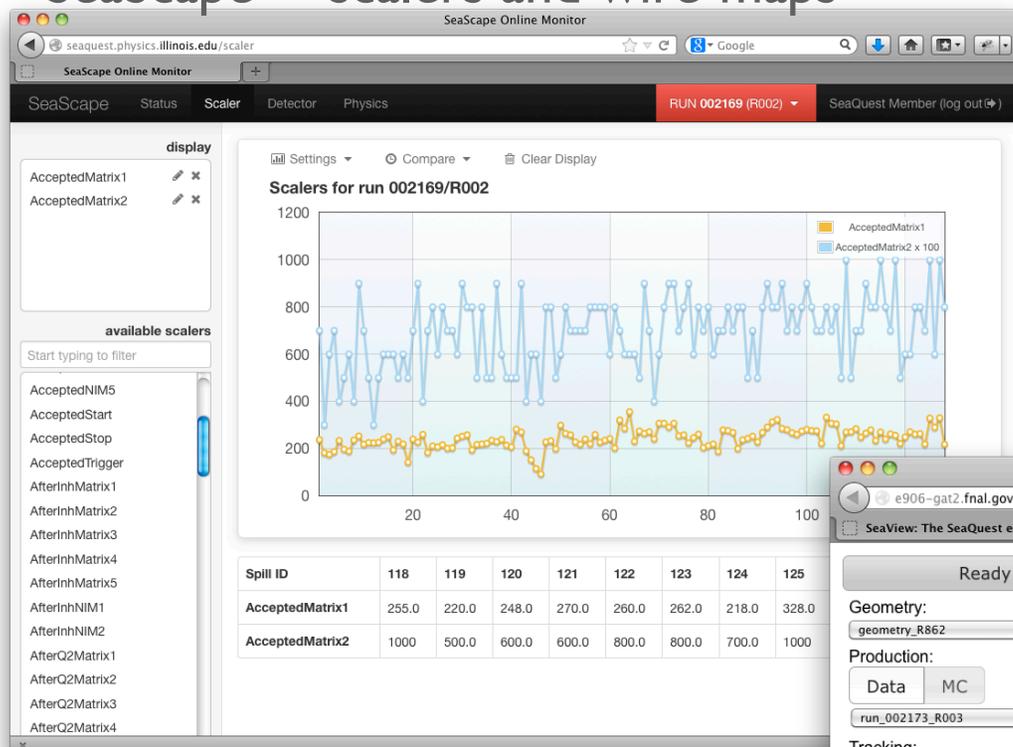


new Station I frame



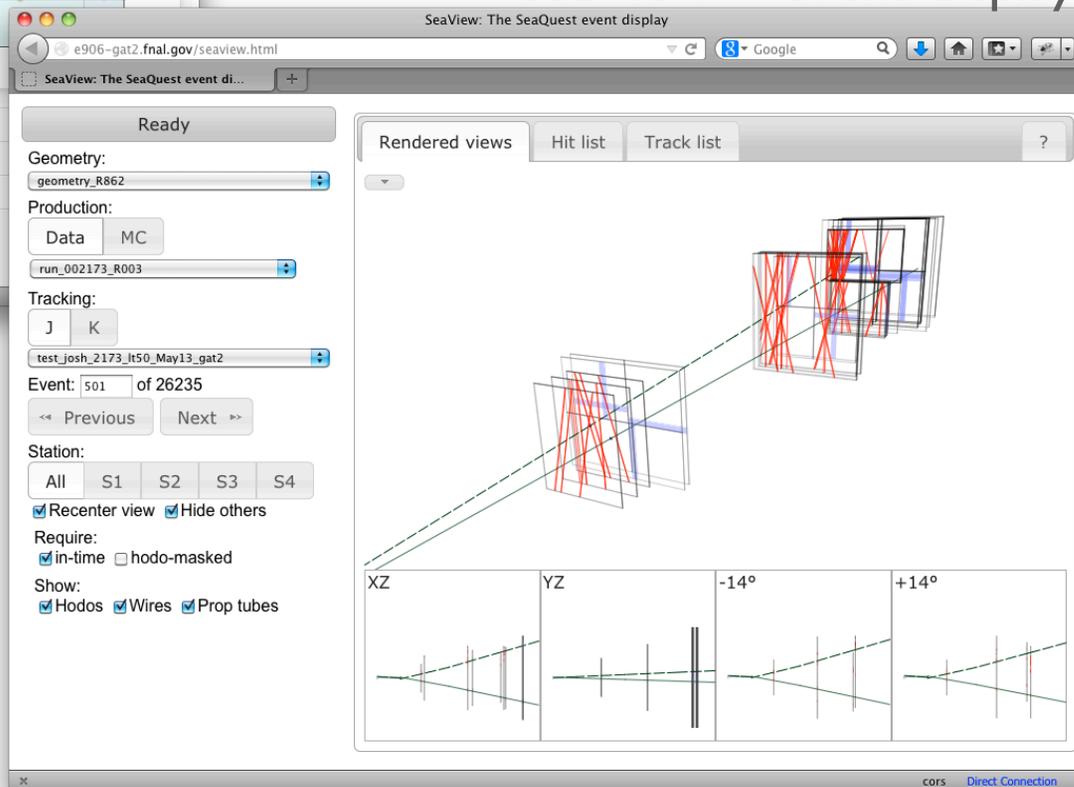
software

“SeaScape” - scalers and wire-maps



Web-based replacements for XII-based Run I monitoring software being tested.

“SeaView” - event display



“under the hood” improvements to hardware control software and trigger readout progressing.

assorted additional progress

- High-rate replacement hodoscope base assembly in progress at UIUC
- Run I calibration, alignment, and analysis procedures are being refined with a Run II quick startup in mind