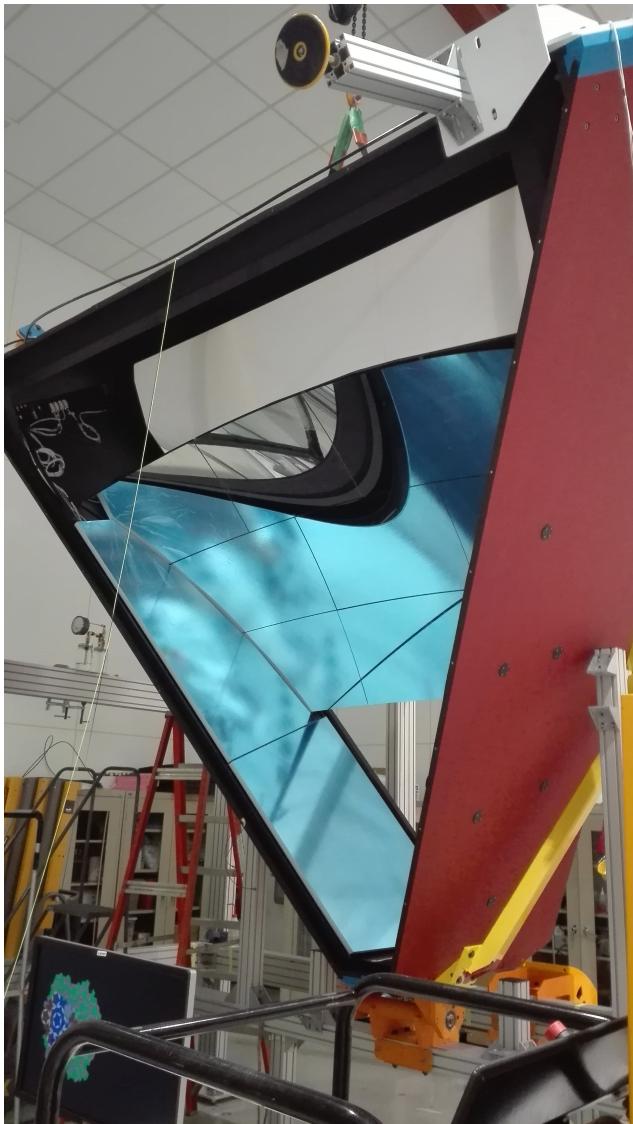


CLAS12 RICH



At the beginning of the summer we got a last-minute issue with both mirror producers

Spherical mirrors:
chemical residuals not visible before coating

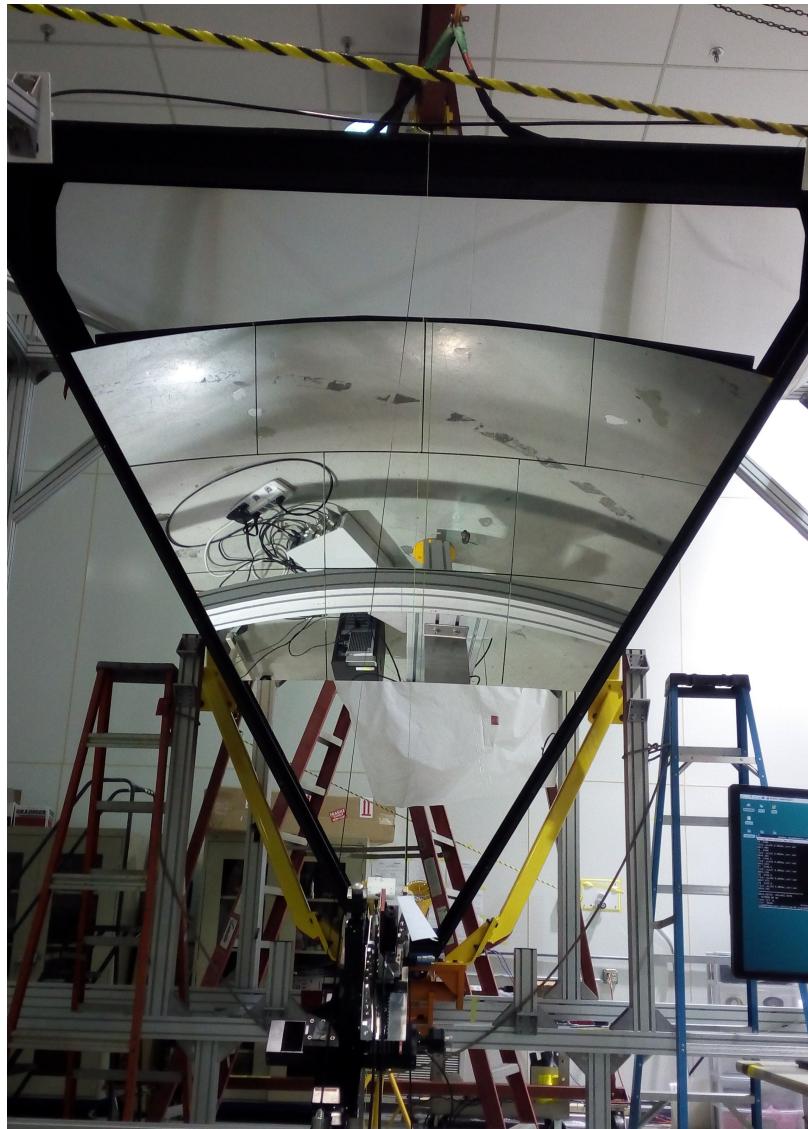
Planar mirrors:
shortage of the glass-skin material

The mirror were installed middle of November,
about 2 months behind schedule.



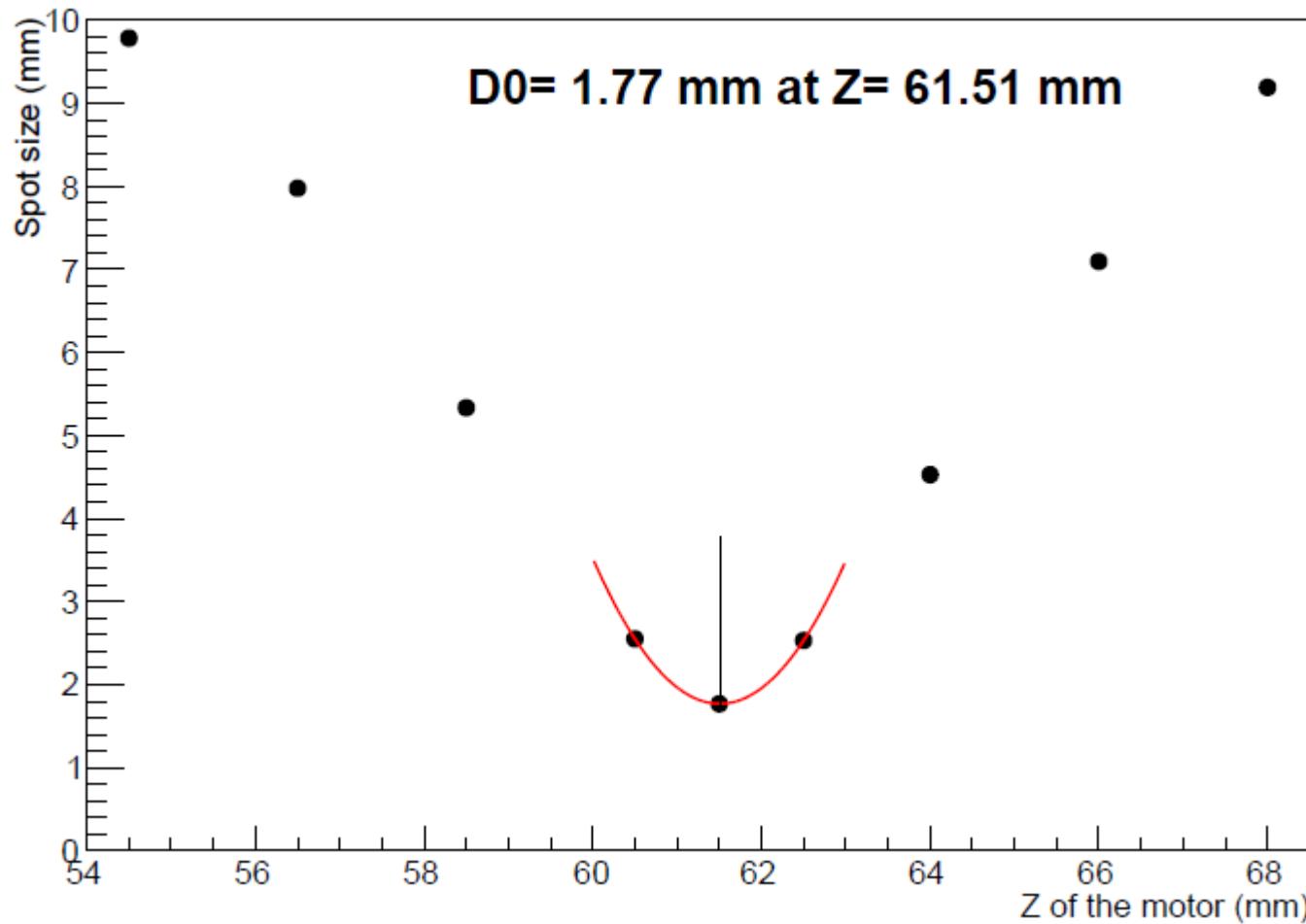
RICH installation planned at beginning of January,
during the engineering run break.

Mirror Alignment



Mirror Alignment

Point-like source image



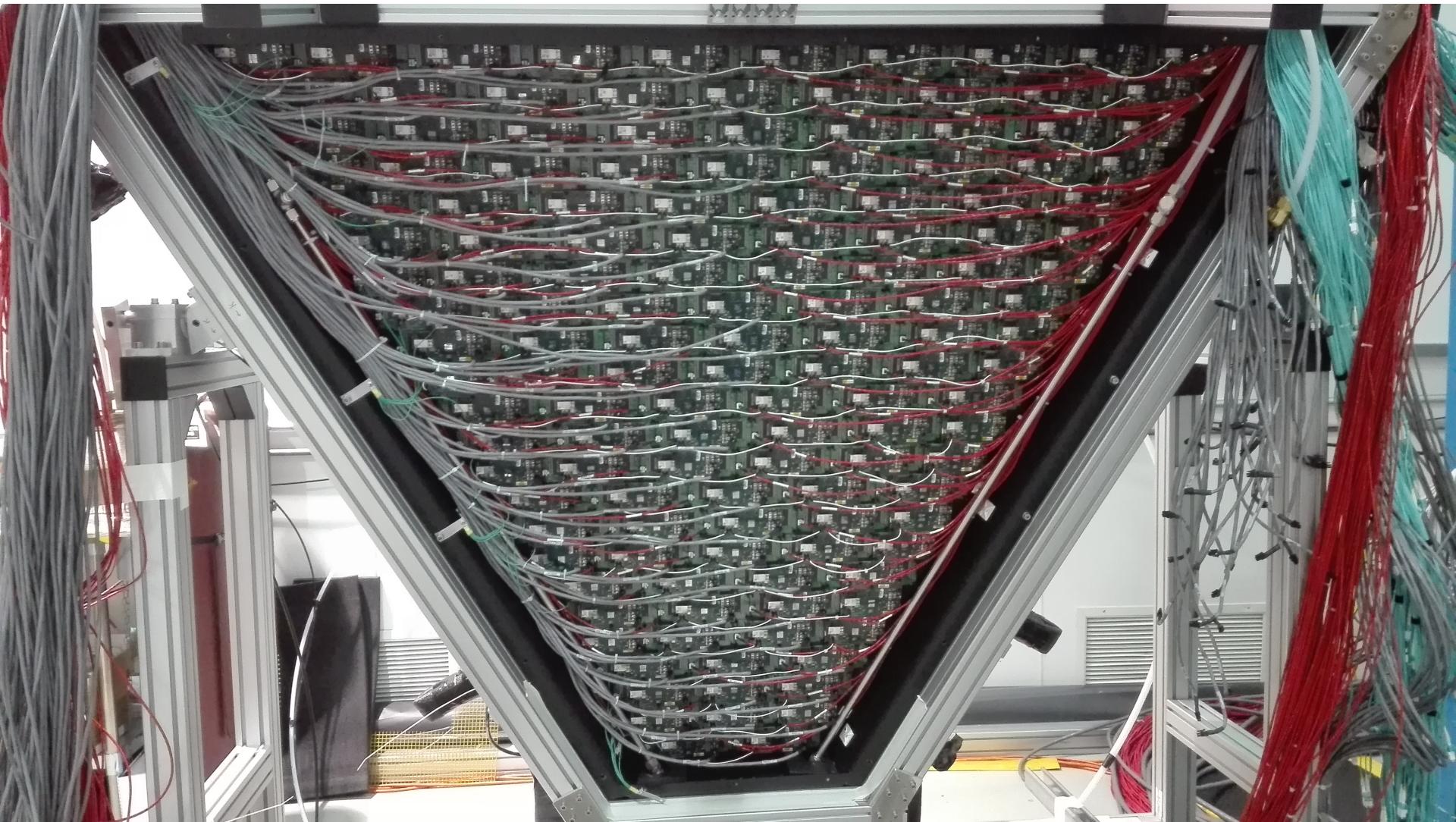
Electronic Panel Installation



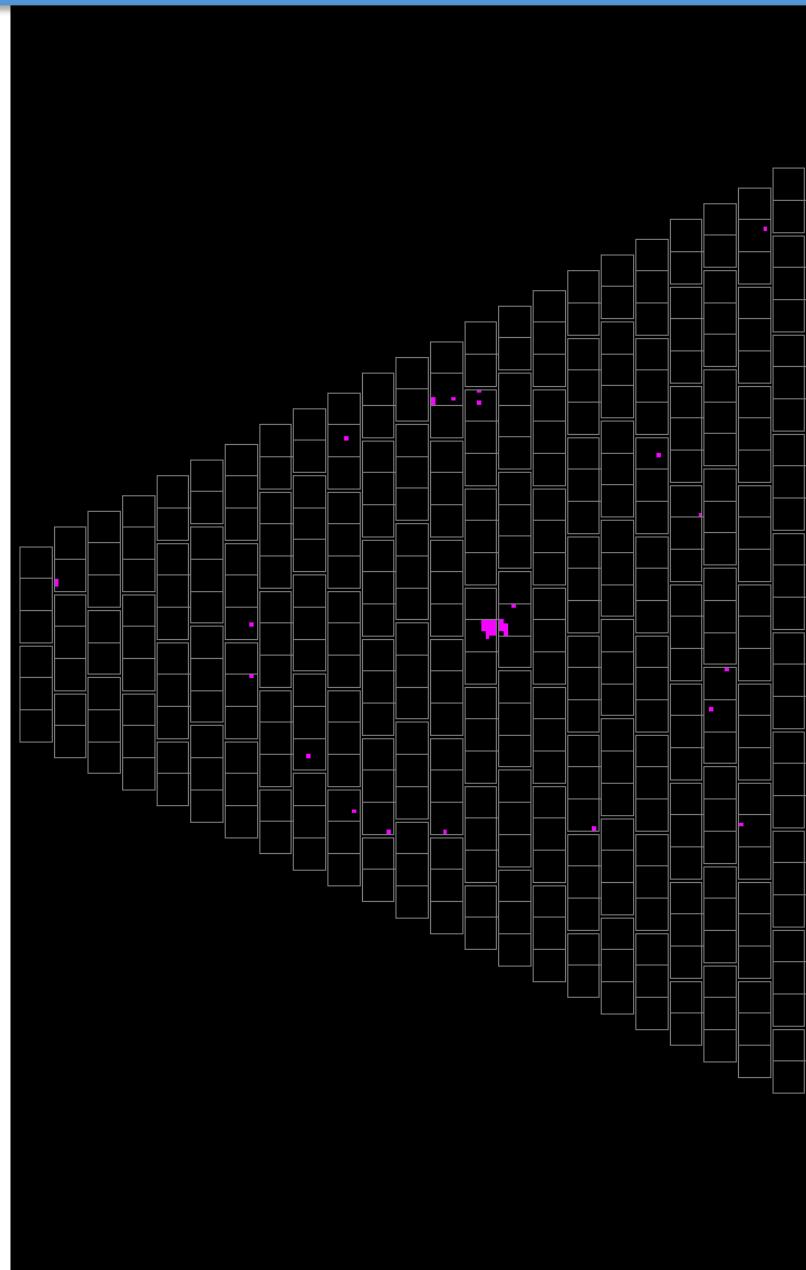
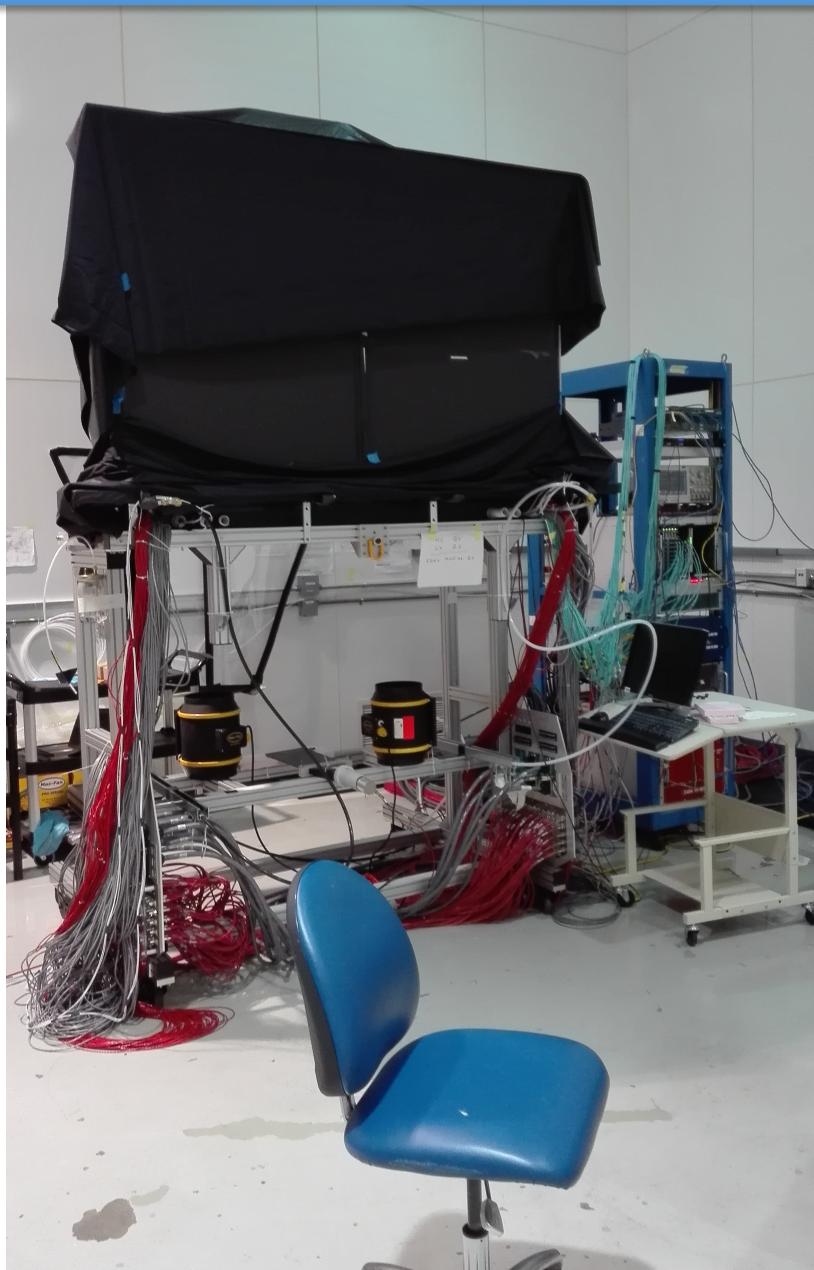
Electronic Panel Installation



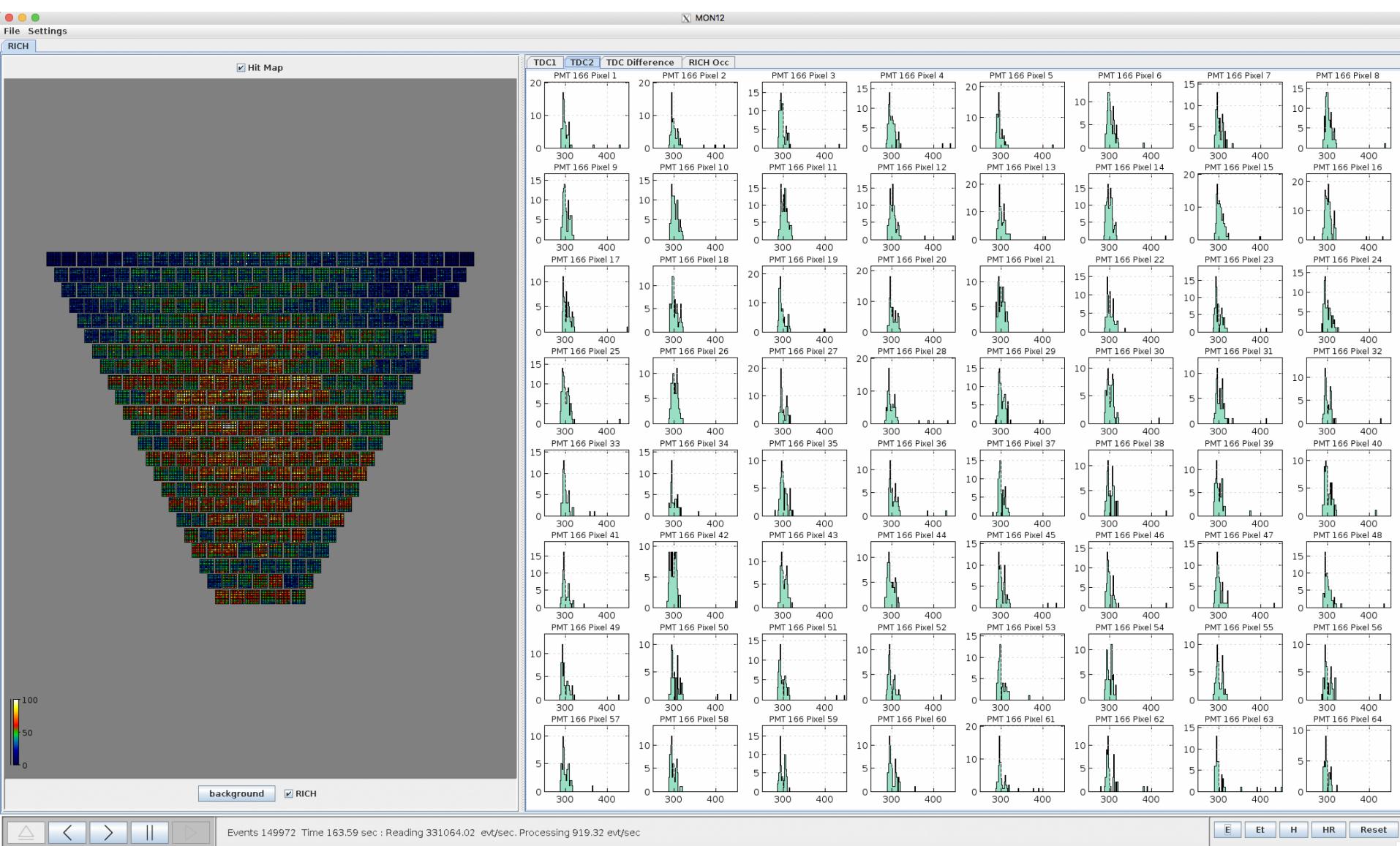
Electronic Panel



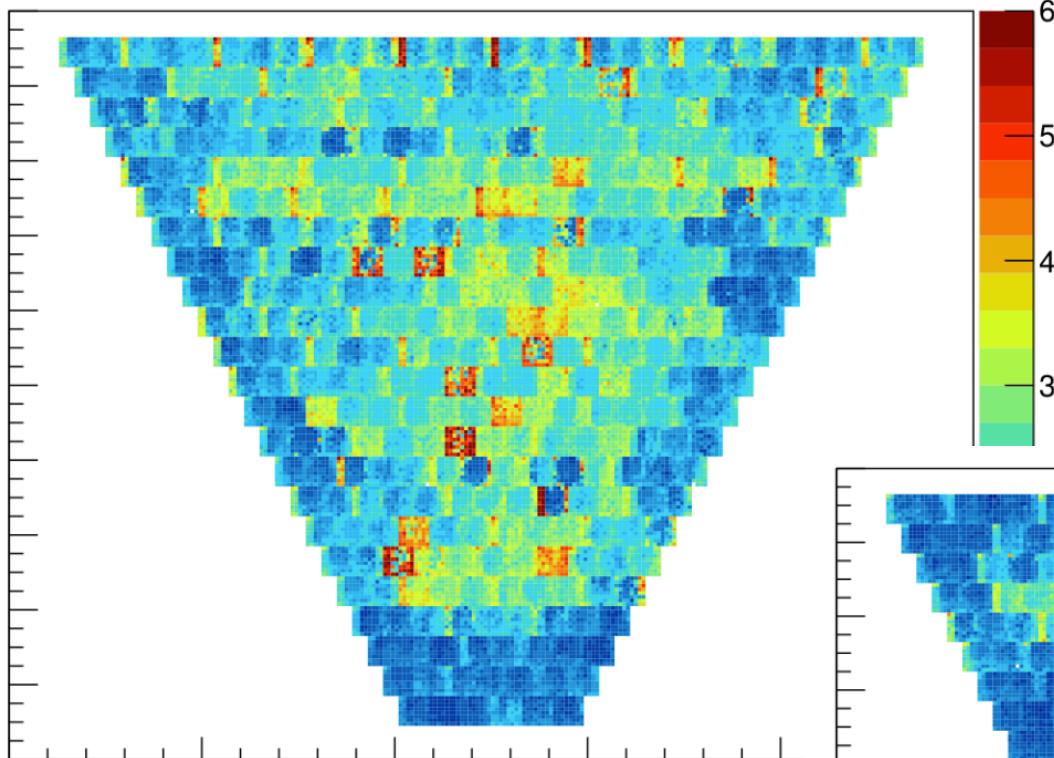
Cosmic Stand



Online Monitor



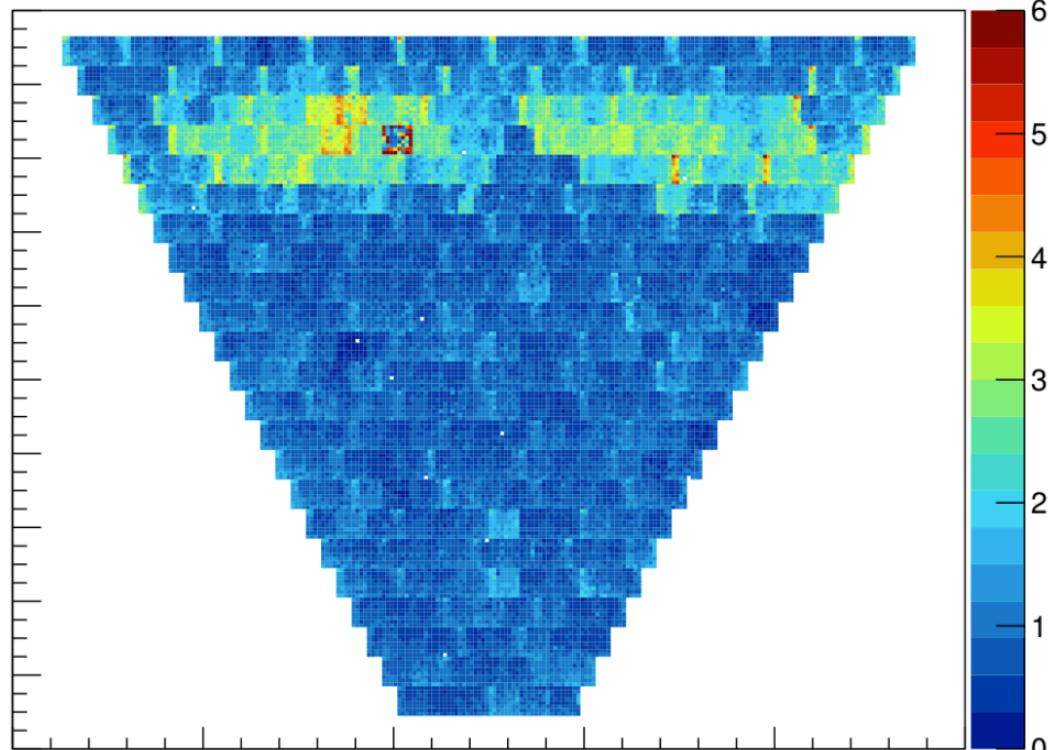
Pedestal RMS Distribution



TDC discriminator baseline

1 DAC ~ 1 mV

Typical single-photon signal
around 400 DAC

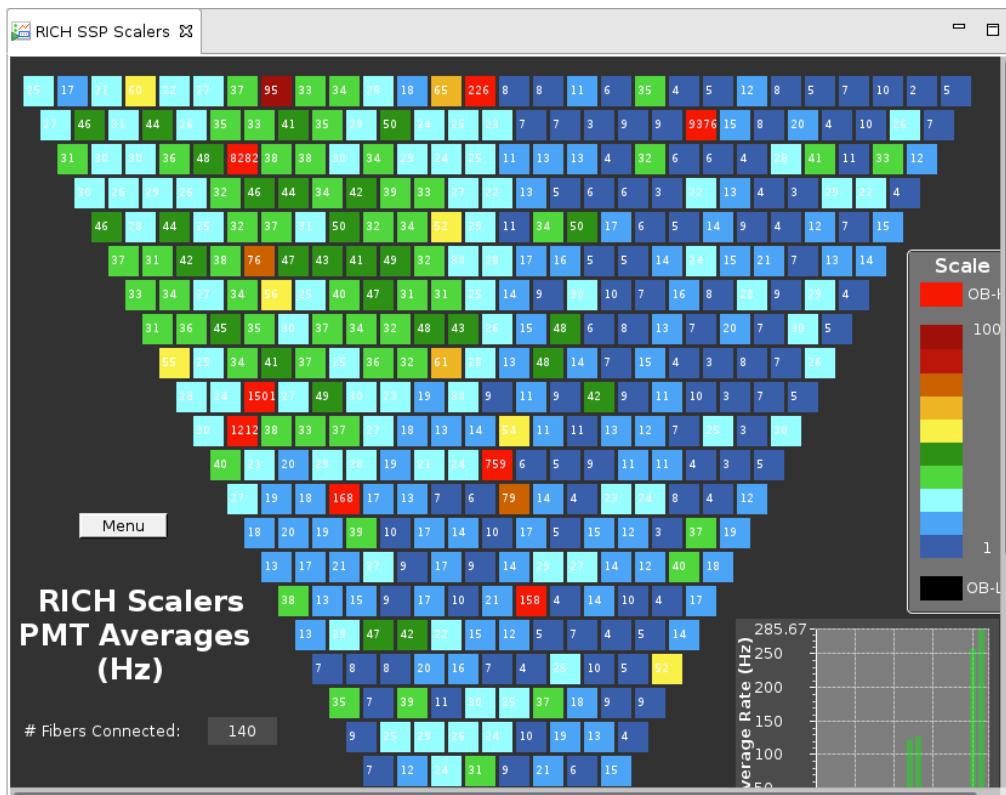


Improvement in progress
(jumpers between boards)

Slow Control

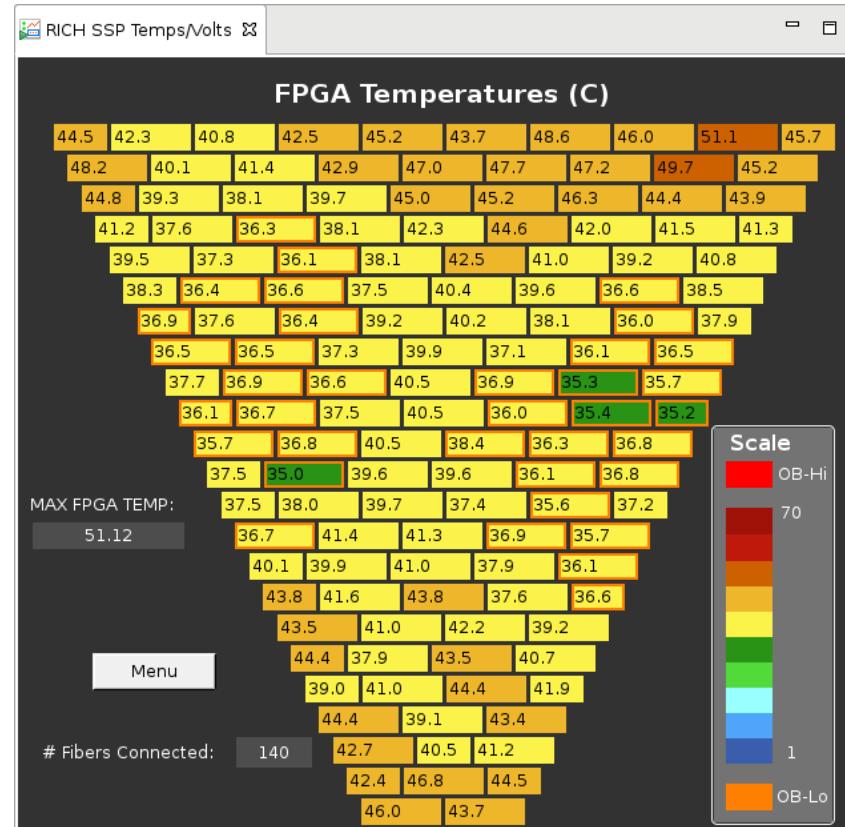
Scalers

Hot or dead channels
LED single photon illumination

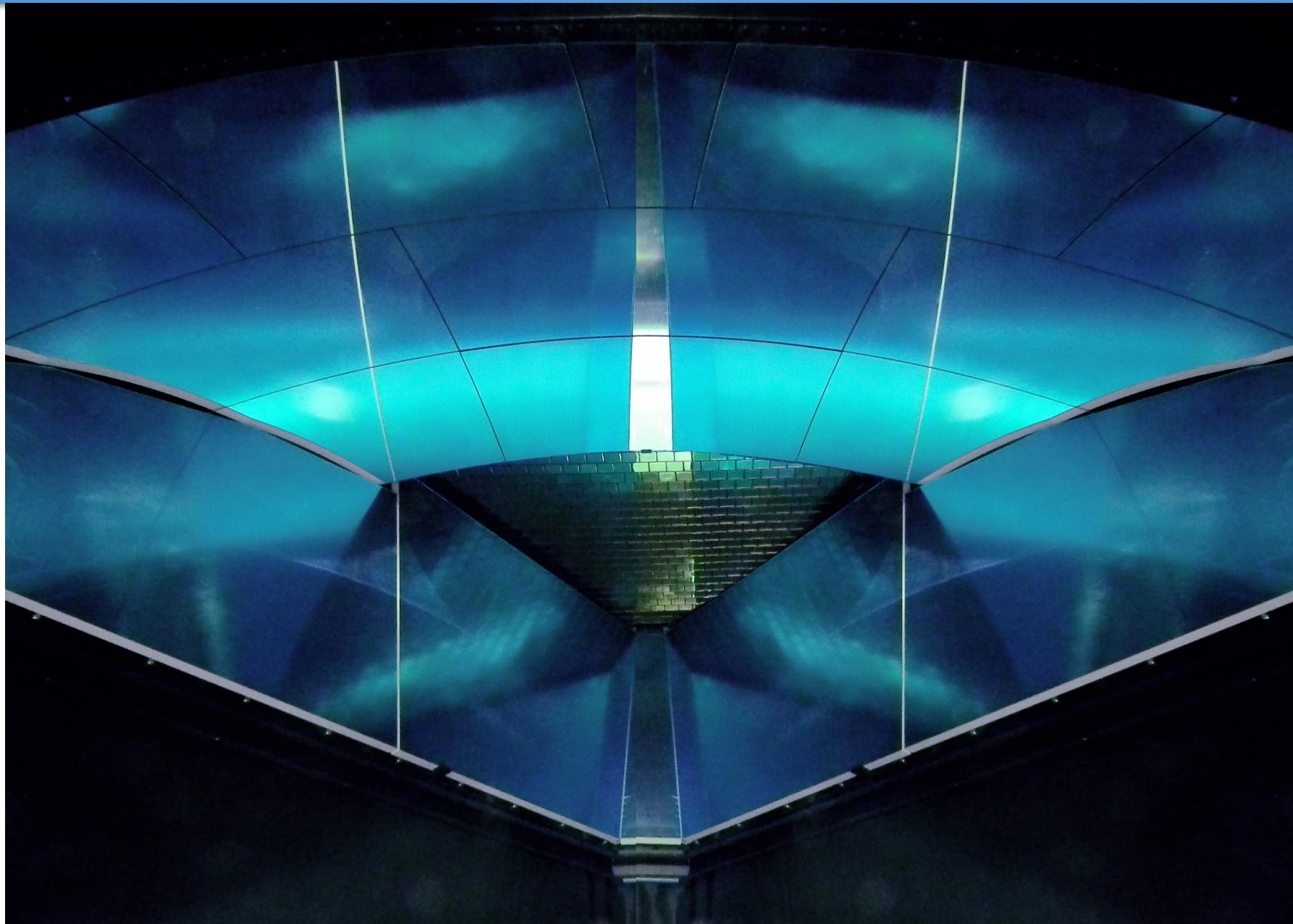


Temperature Map

Upgraded to software interlock



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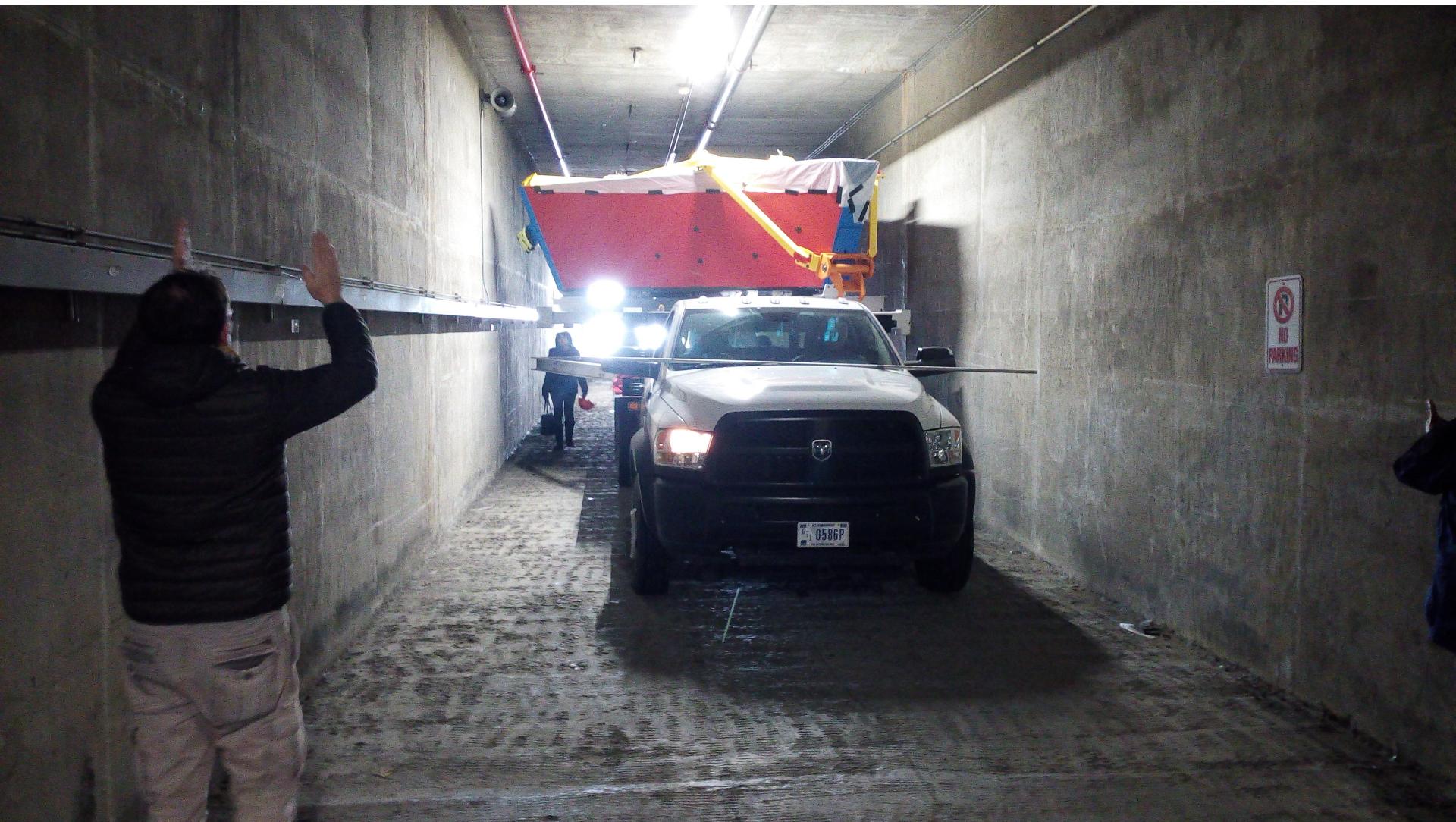
CLAS12 RICH



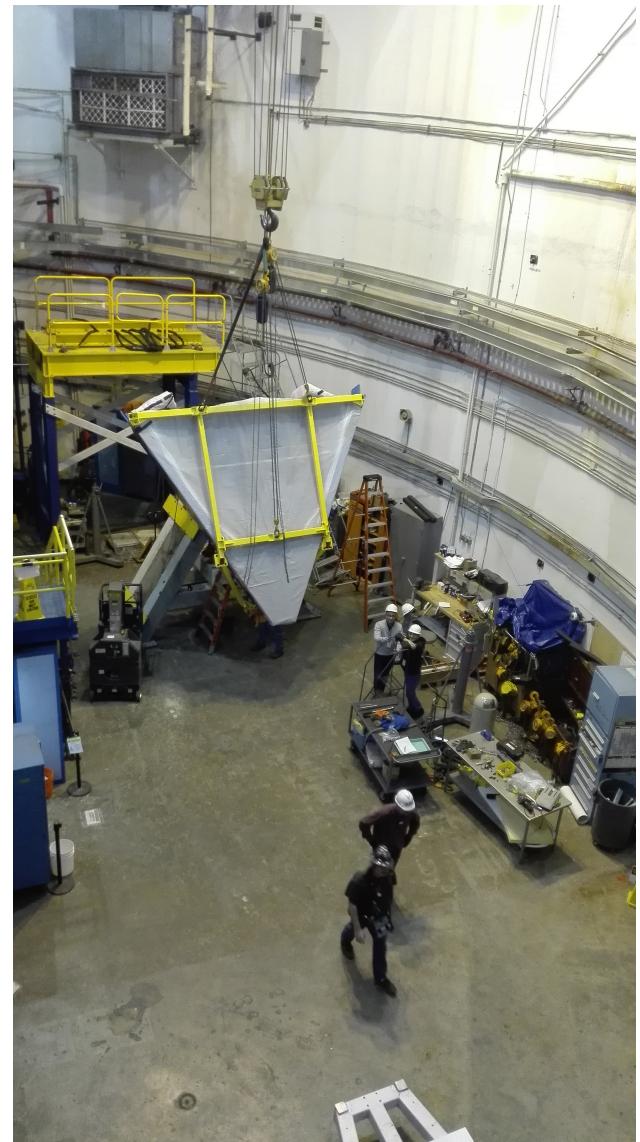
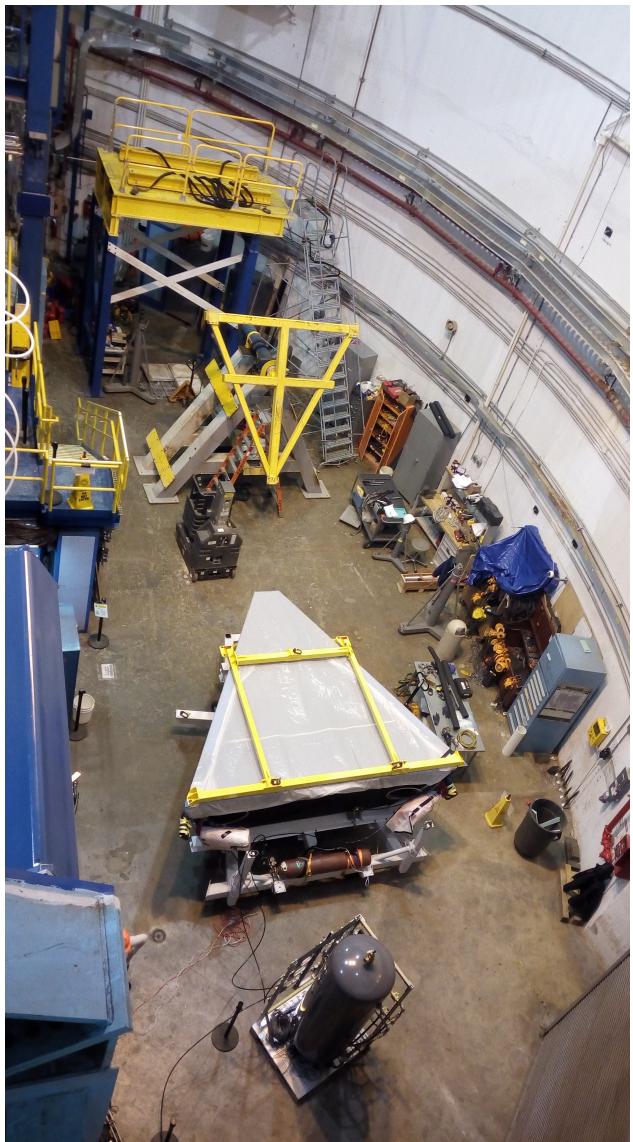
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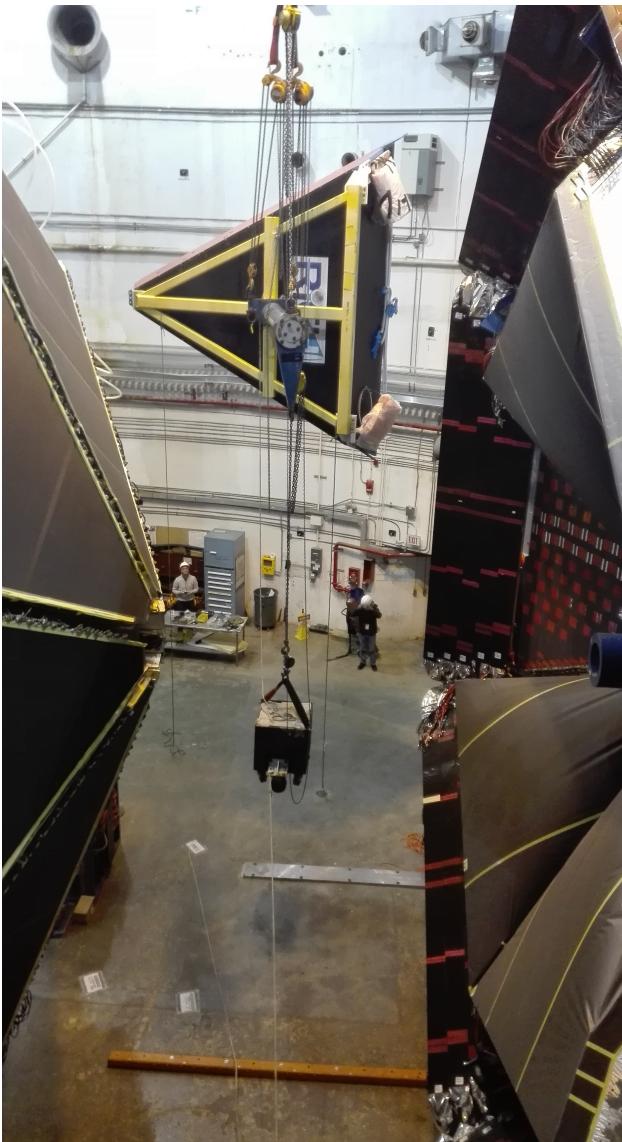
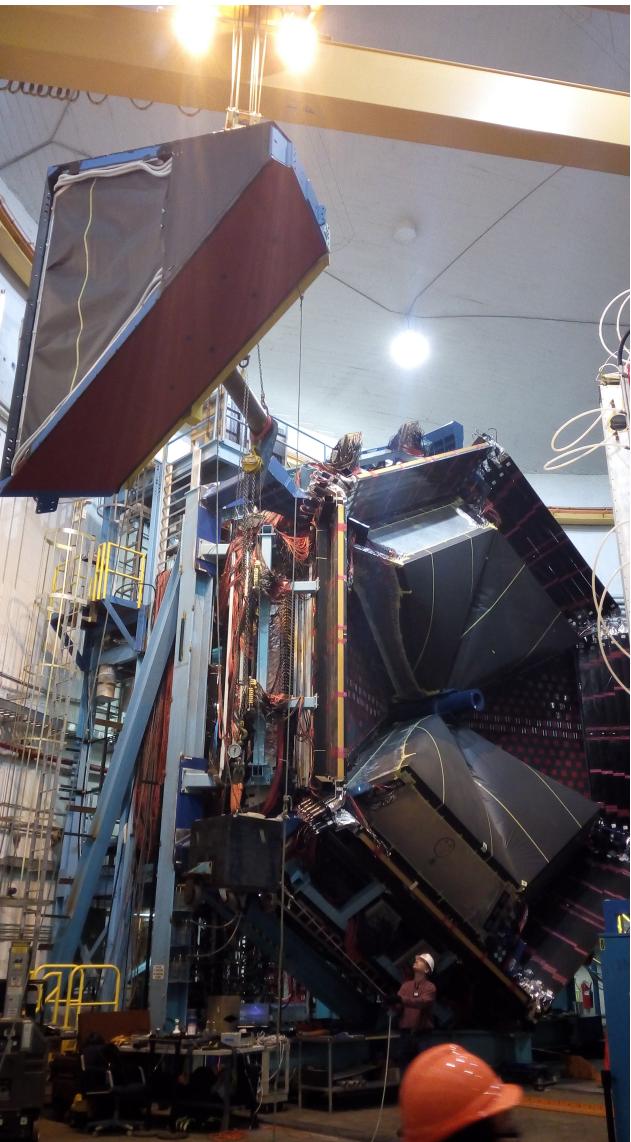
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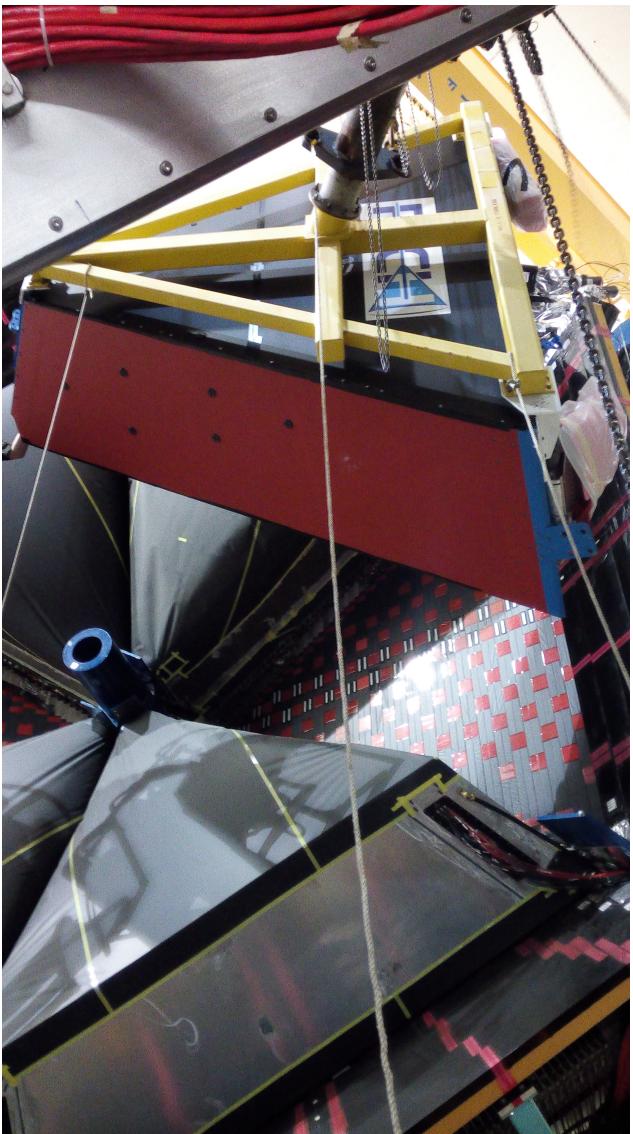
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CLAS12 RICH

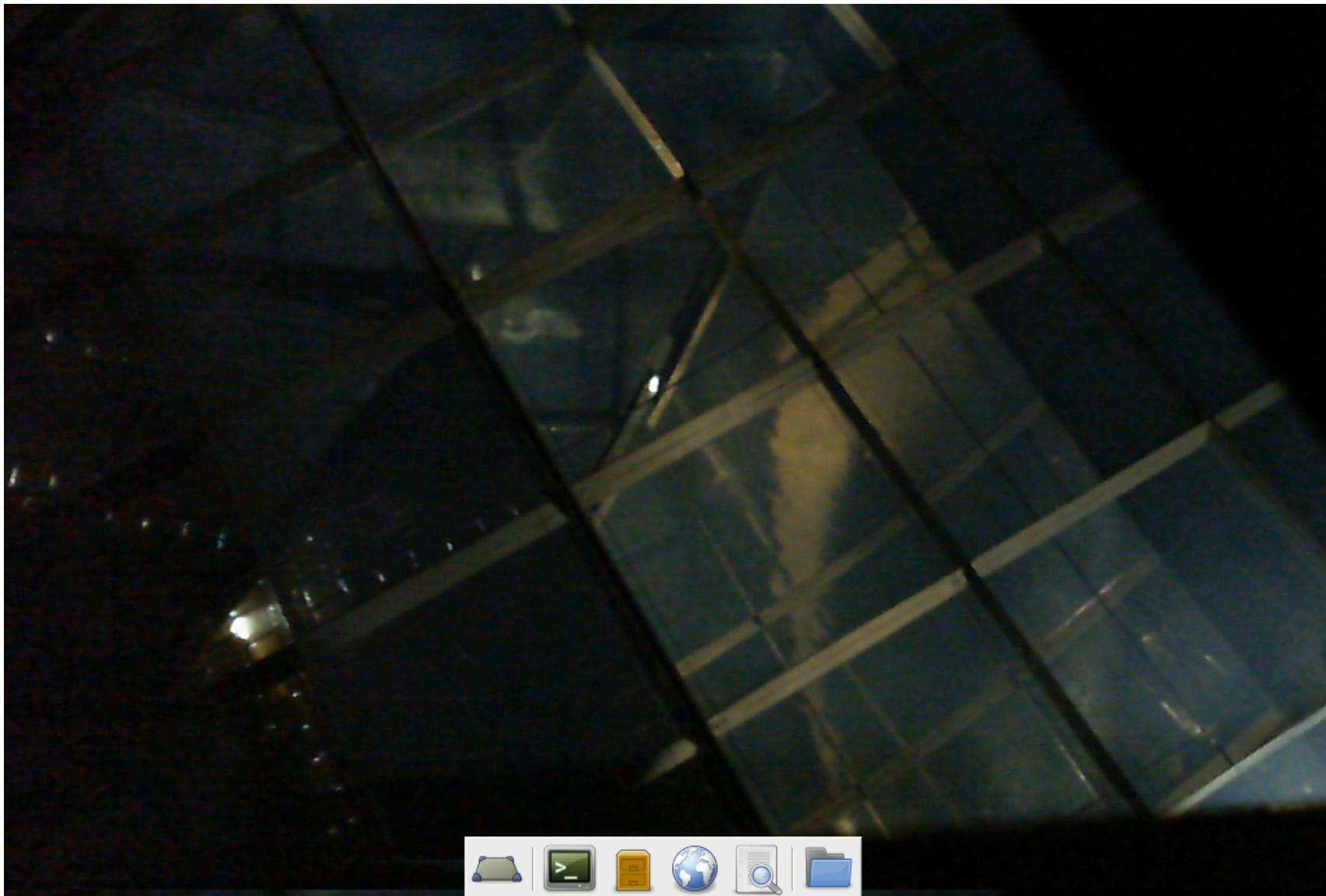


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Special thanks to Dario, Sandro and the Hall-B crew

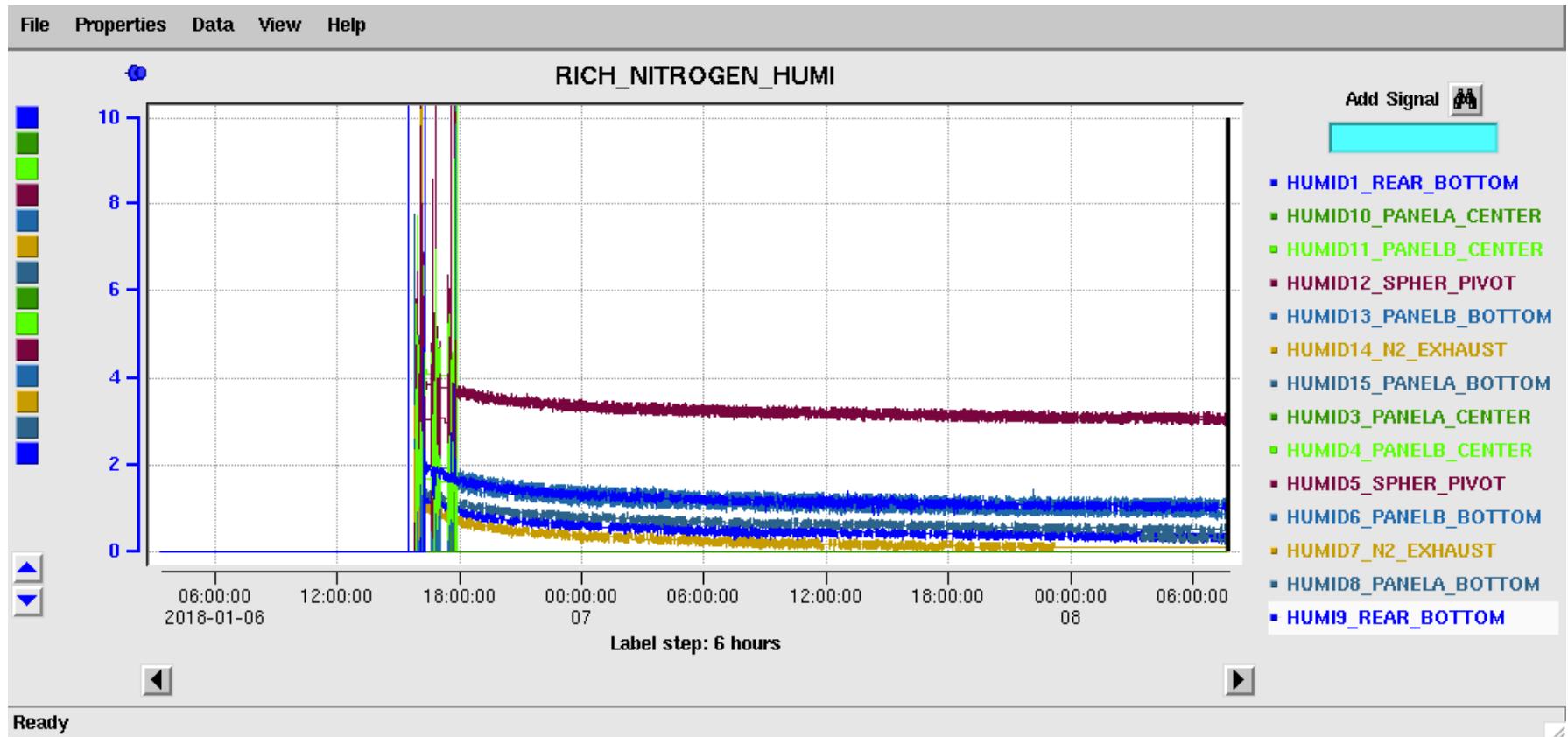
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Inner camera to check aerogel integrity (ERR committee remark)

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FE: power supply/DAQ crates, all cables pre-routed



DSG: cRio in position and humidity under control

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Next steps: patch panels, services, documentation, offline software...