

FST Update from work on 04/02-04/04

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Training

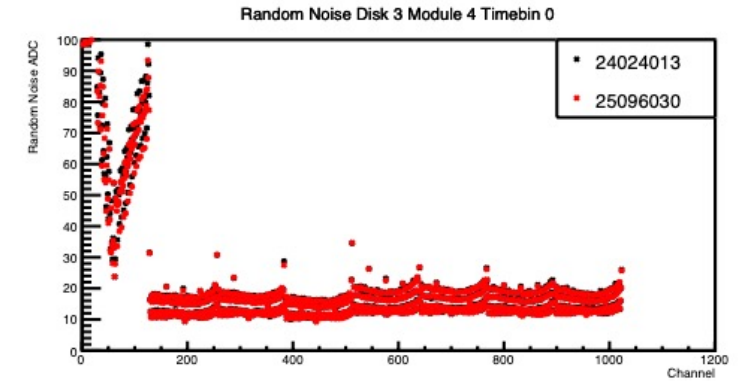
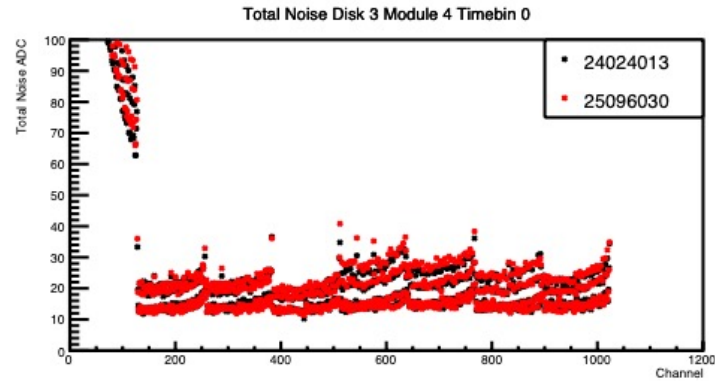
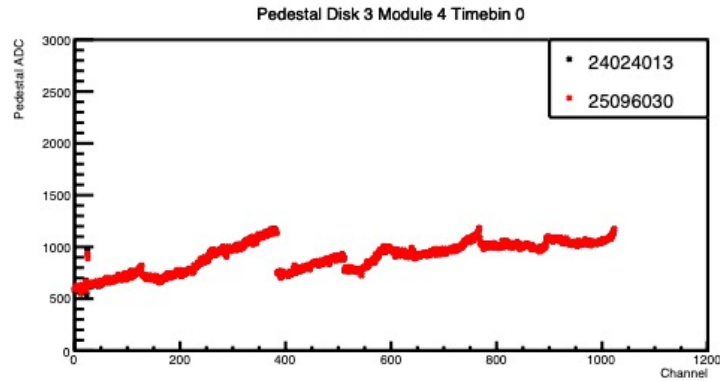
- Trained Souvik and Prithwish on tasks mentioned in slides from last week, except for:
 - How to update the FST pedestal and noise in the offline database. (Ziyue or Gavin can handle this remotely)
- Need to write manuals for a few of the operations for future reference:
 - Updating the hardware voltage and current limits.
 - How to compare pedestals between two different runs.
 - How to check the temperature on the FST.

Pedestal and Noise Comparisons

Disk 3 Module 4
Sensitive to physics
data mode at STAR?

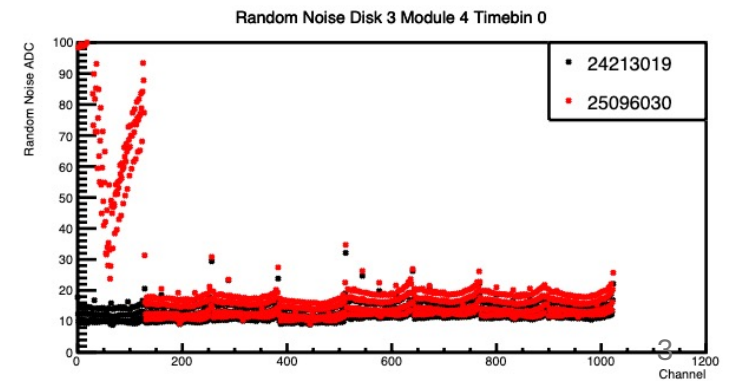
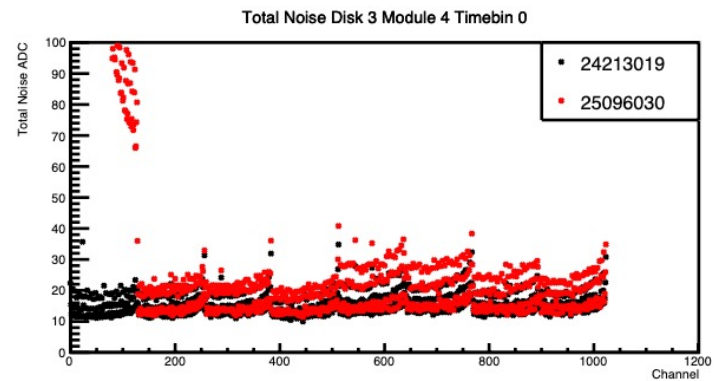
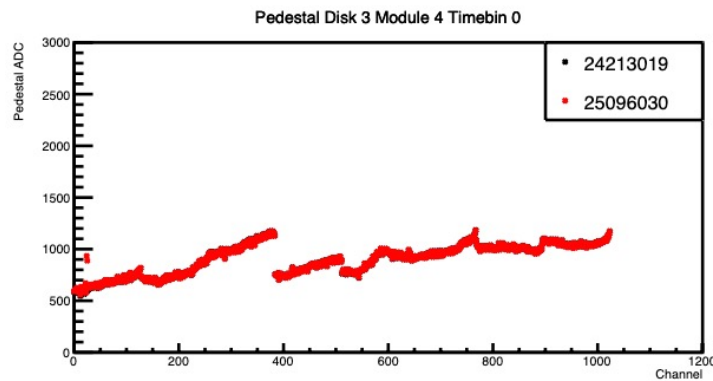
DISK 3 MODULE 4

24024013: 01/22/23 (After FST re-installation)
25096030: 04/05/24 (Most recent pedestals)



DISK 3 MODULE 4

24213019: 07/30/23 (~ end of Run 23)
25096030: 04/05/24 (Most recent pedestals)

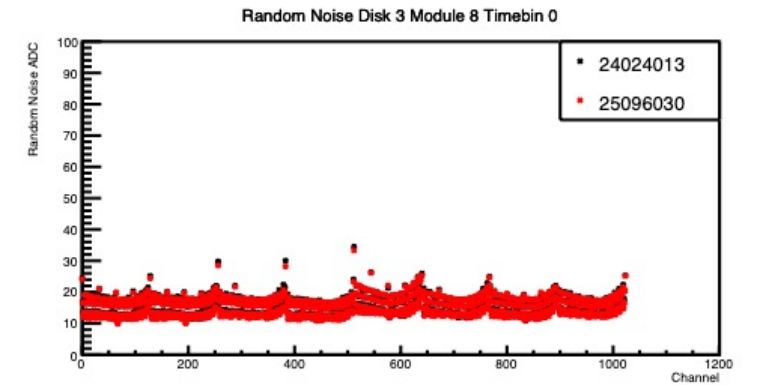
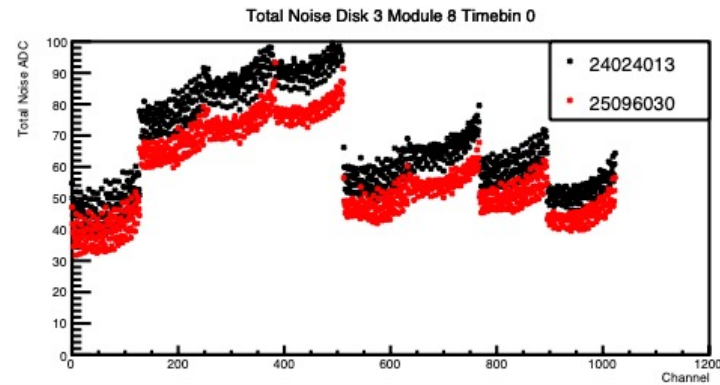
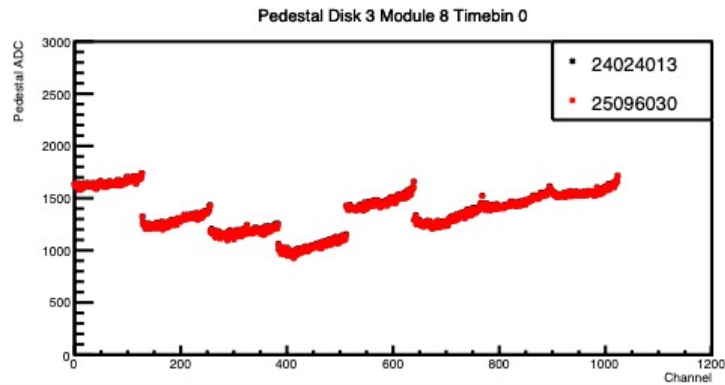


Pedestal and Noise Comparisons

Disk 3 Module 8
Sensitive to physics
data mode at STAR?

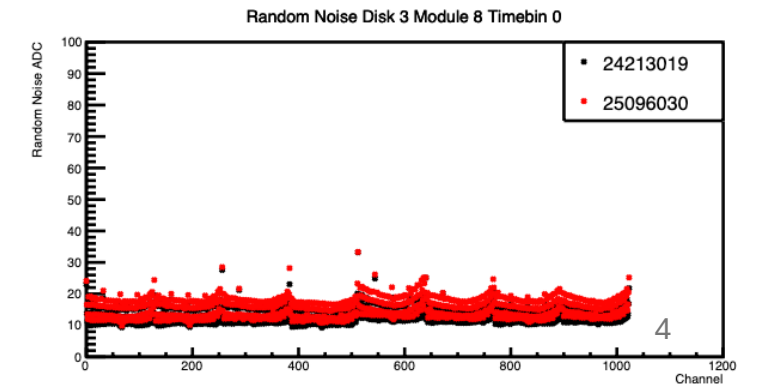
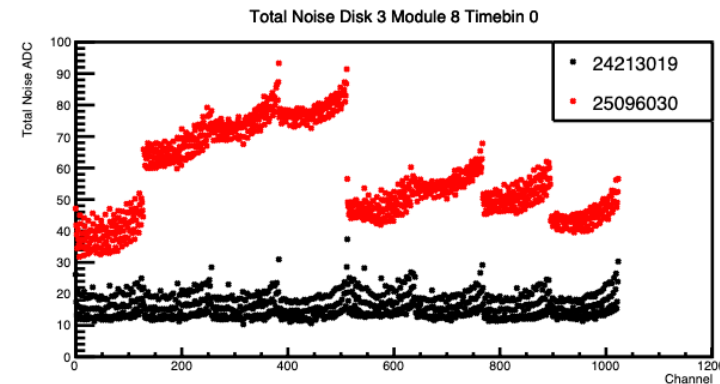
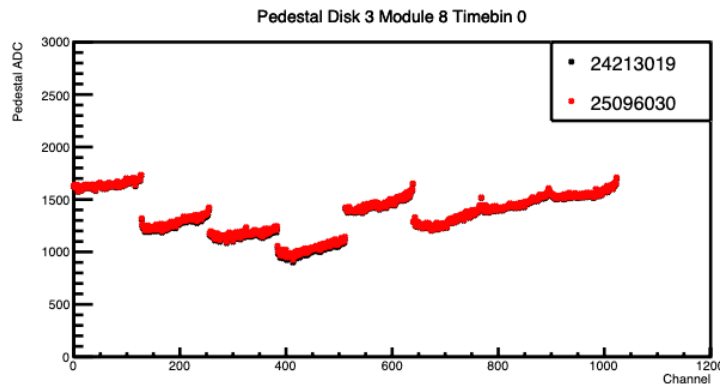
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Other Information

- Cooling is working well, currently filled to ~89%.
- Tim plans to replace the OMEGA module this week.
 - I will follow up with him today.
- Sensor temperatures are within range of 25-27°C as expected.

- Ziyue and Gavin will arrive at BNL on April 22nd evening.
 - Beam should start around this time.
 - Latency calibration can be conducted.