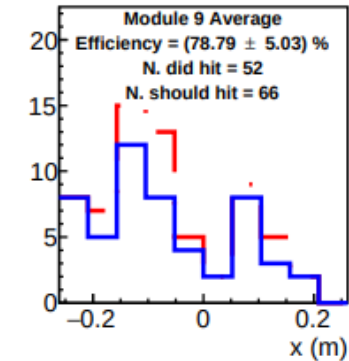
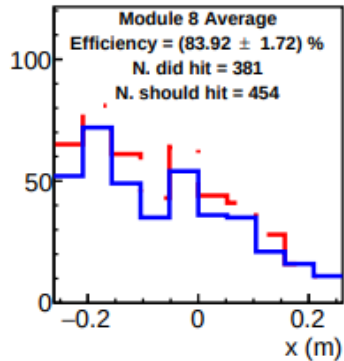
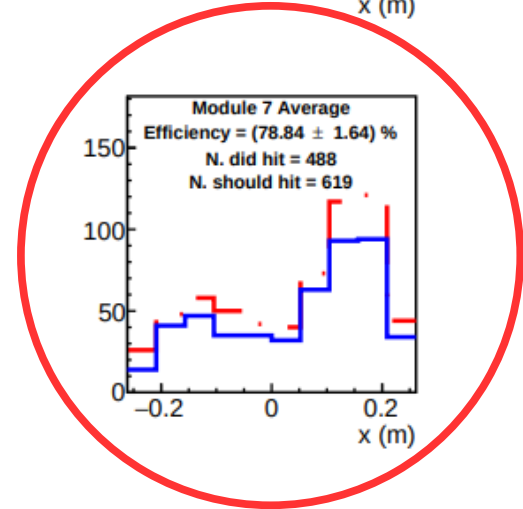
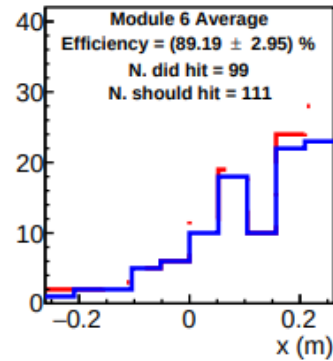
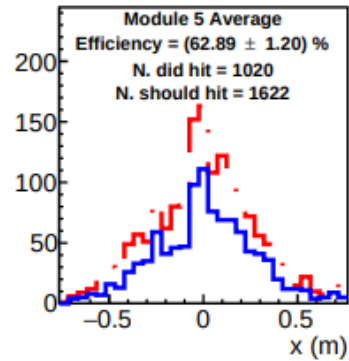
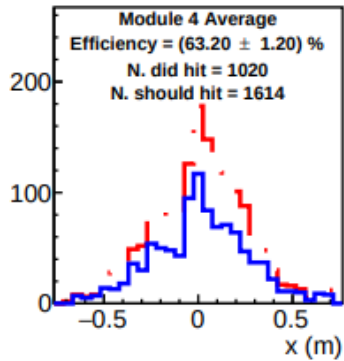
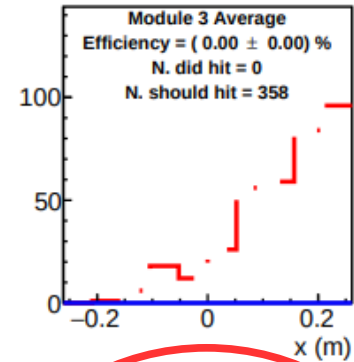
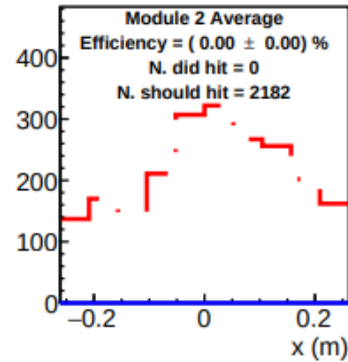
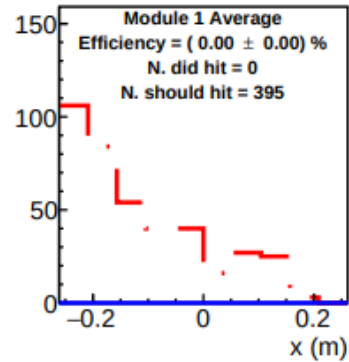
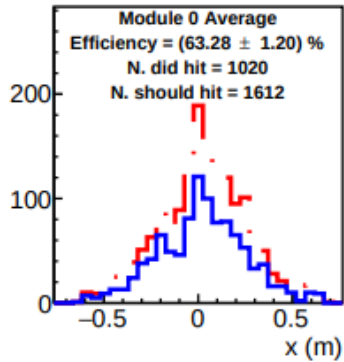


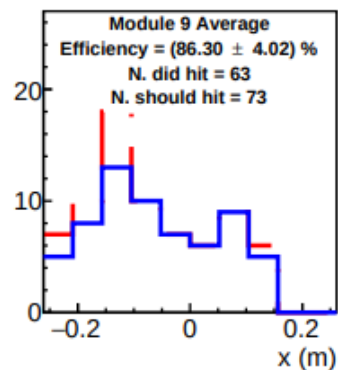
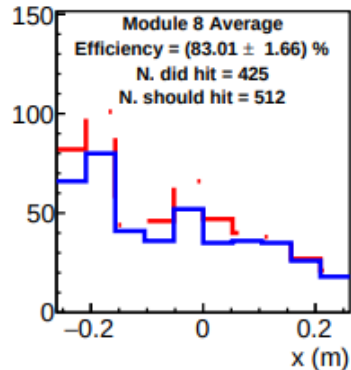
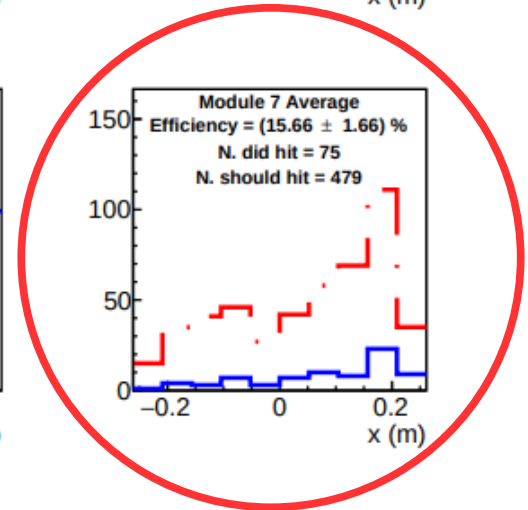
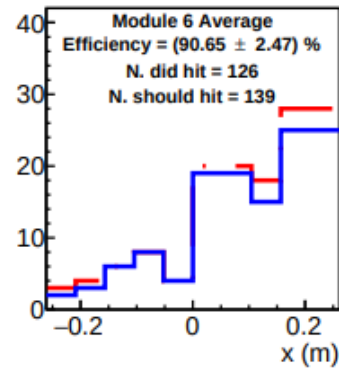
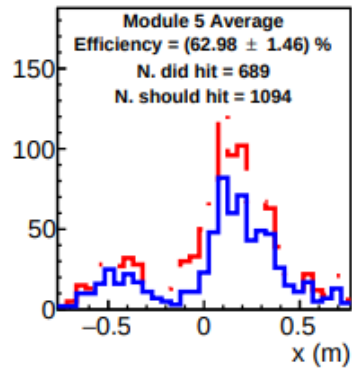
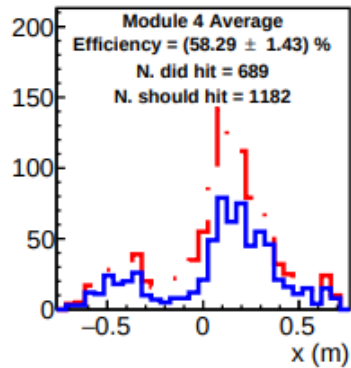
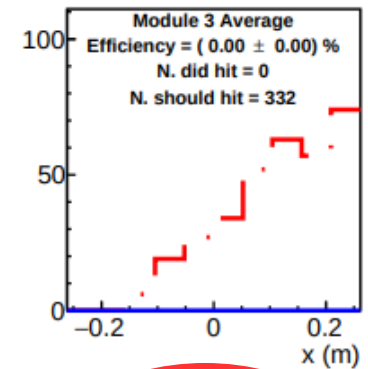
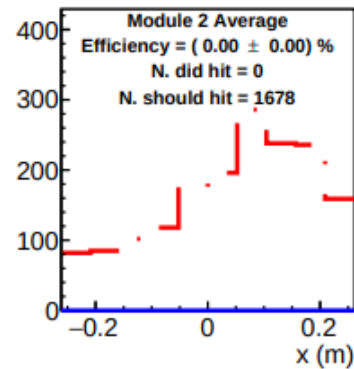
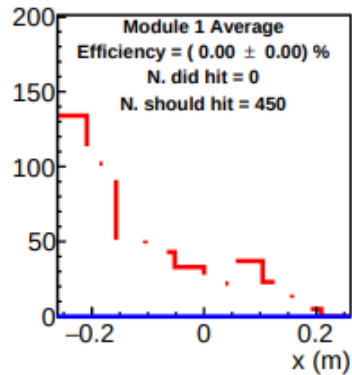
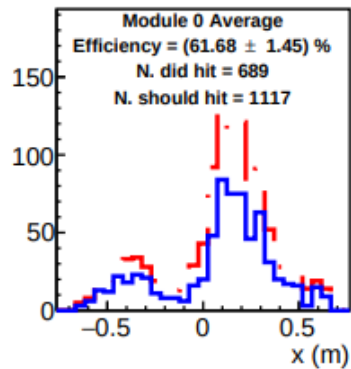
UVa XY 1 Efficiency Drop

- Data was looking good, and then the accelerator went down for 3 hours, after run 12628
- During this time I updated the pedestals because of a slight drift in XY module 3.
- The first run, 12638, after beam came back (and with the new pedestal) shows a huge efficiency drop in only XY module 1.
 - See next slides for comparison pictures.
 - **Current read back on the chamber is exactly as expected**

Run 12628

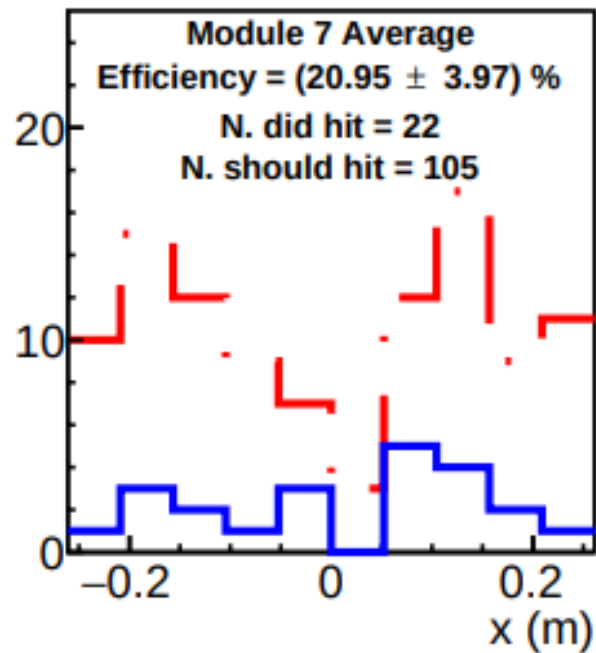


Run 12638



New Pedestal?

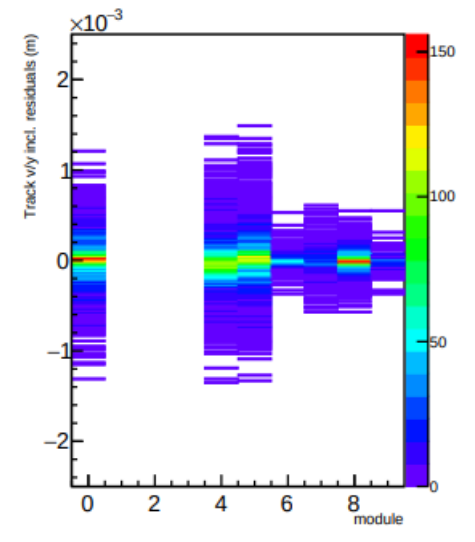
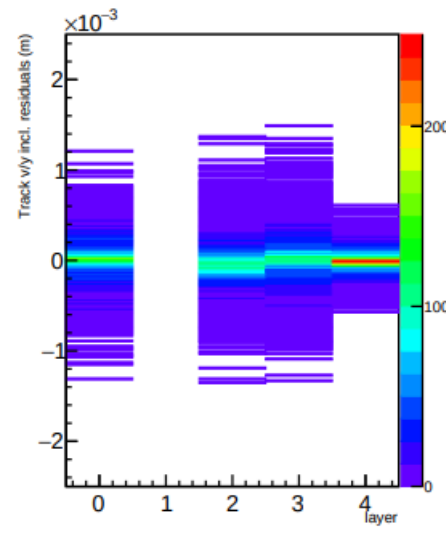
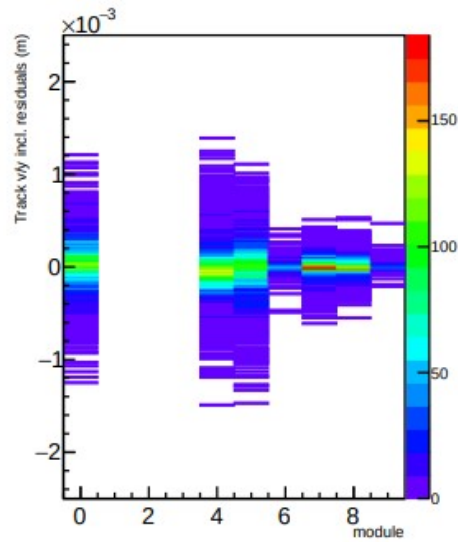
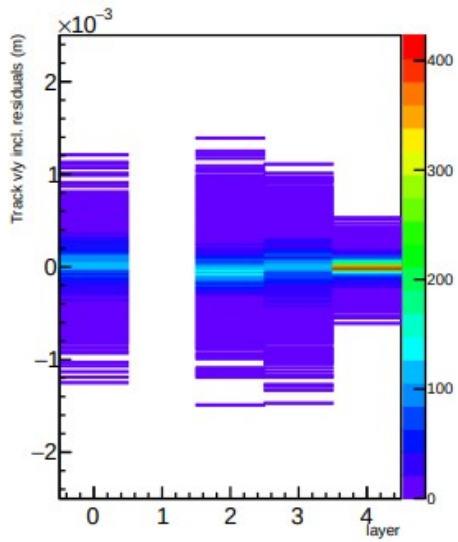
- Maybe the new pedestal was uploaded incorrectly during the down time?
 - Reverting back to the old pedestal does not fix the issue (run 12641).



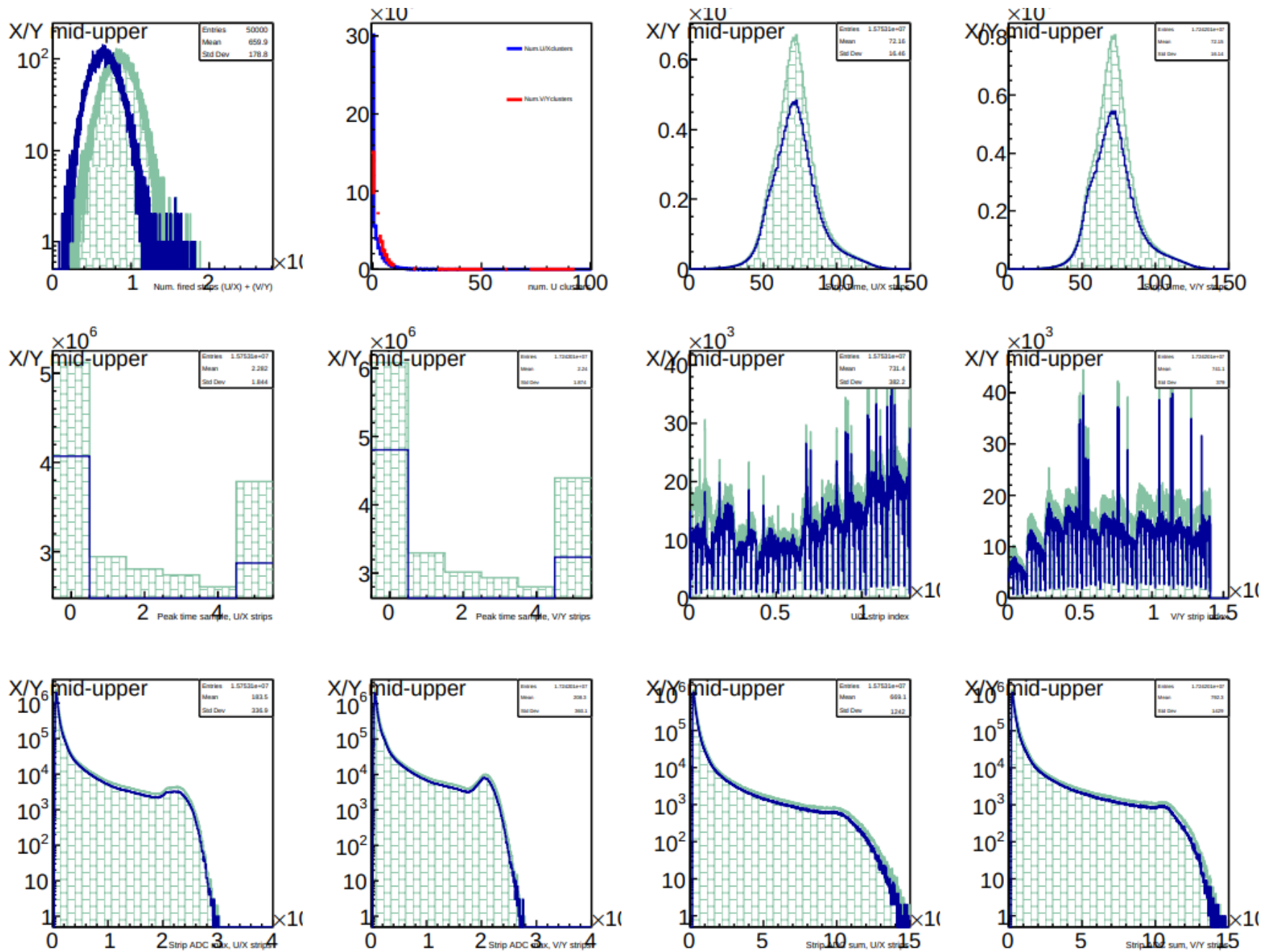
Alignment Comparison

12628

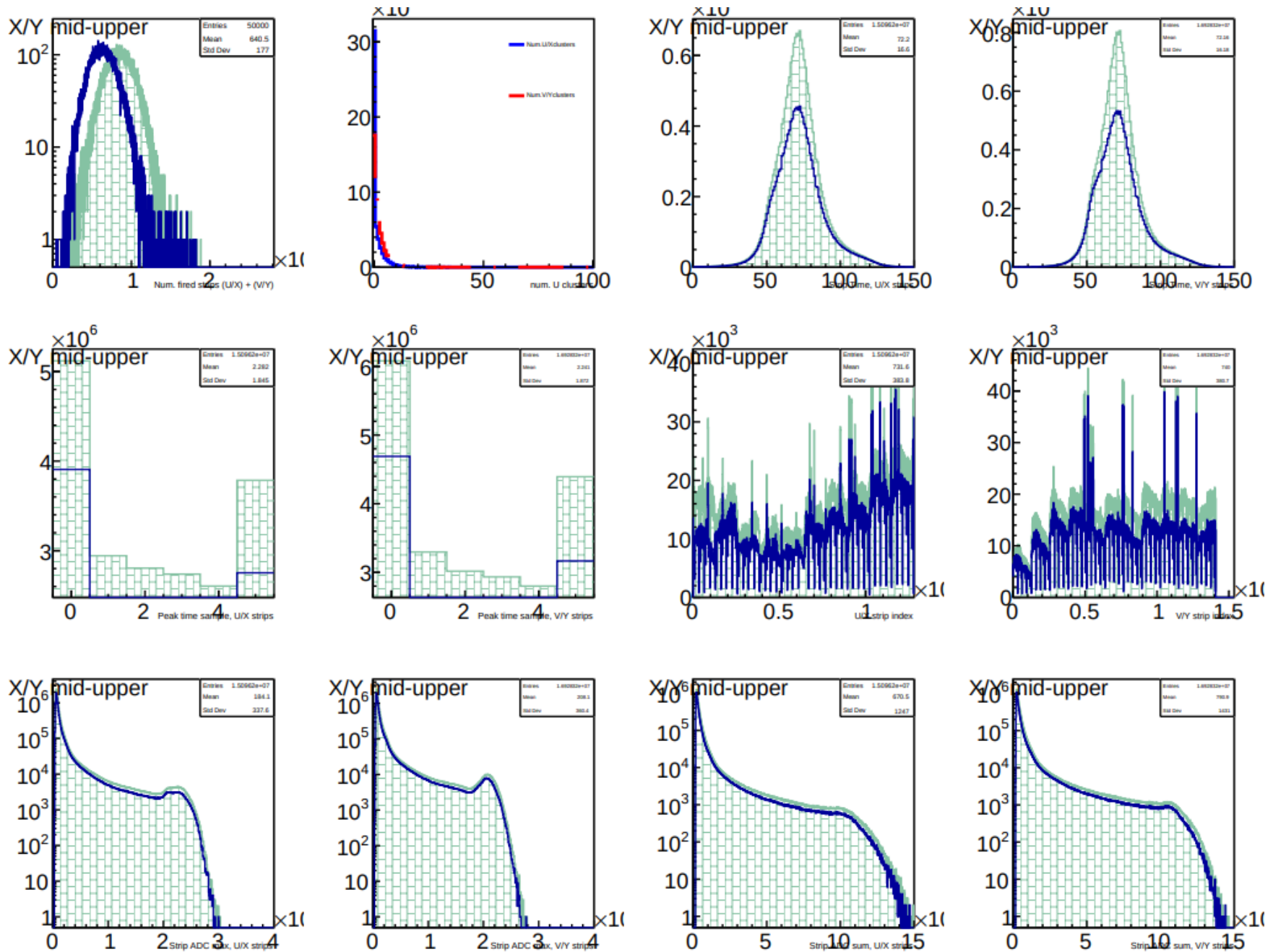
12638



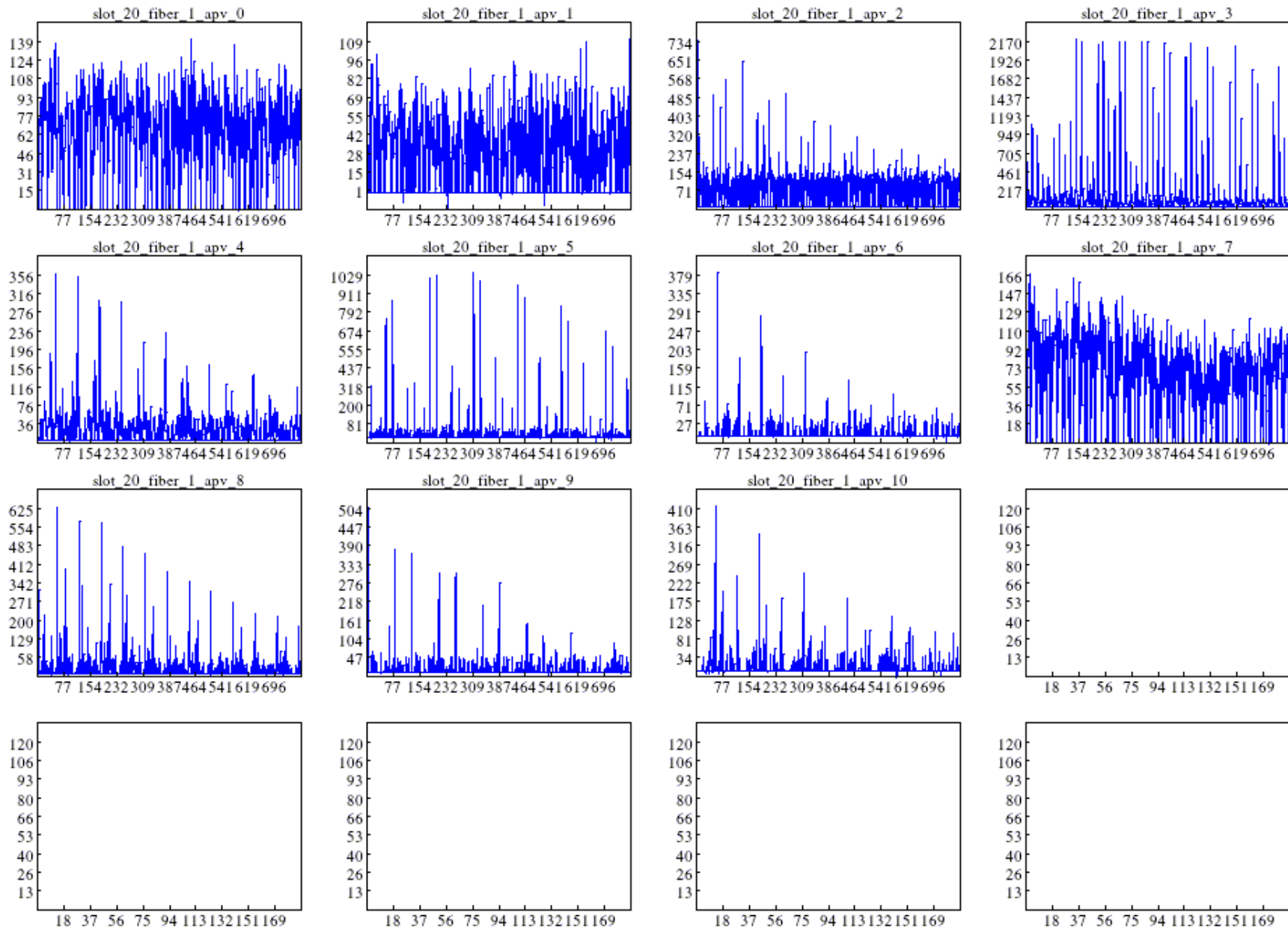
Low Level Comparison (12628)



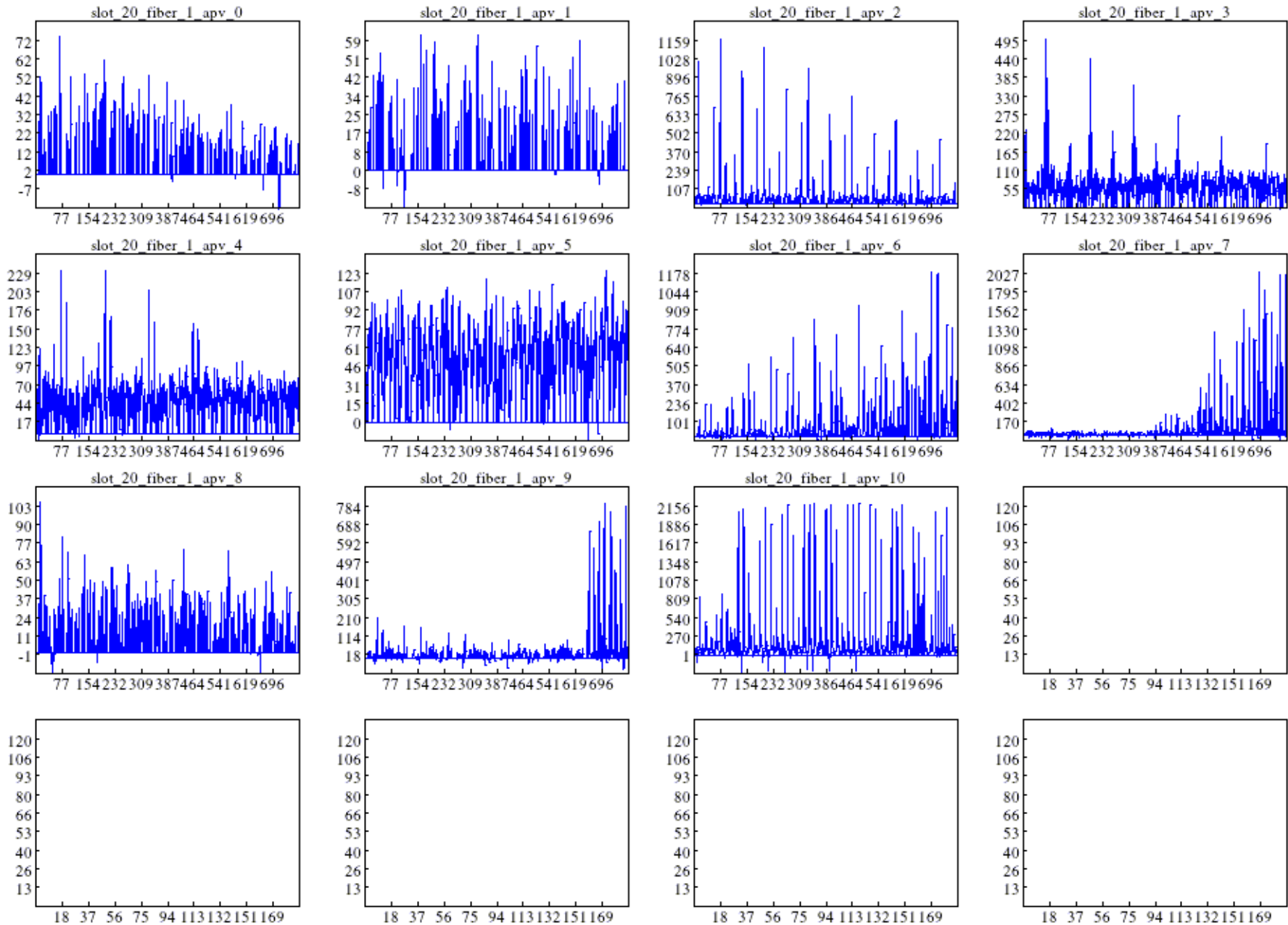
Low Level Comparison (12638)



Raw APV Frames (12628)



Raw APV Frames (12638)



Thoughts

- If a sector died, something would be different in the ADC plots, and we would see an increase in current.
- Something like this has happened before when we accidentally swapped two HDMI cables.
 - Nothing was touched so I don't see how this could happen.
- Is there anything from the DAQ that could cause this?
- Could this be analysis software?
 - Nothing changed here.
 - We can pray that this is the issue and the data is recoverable.