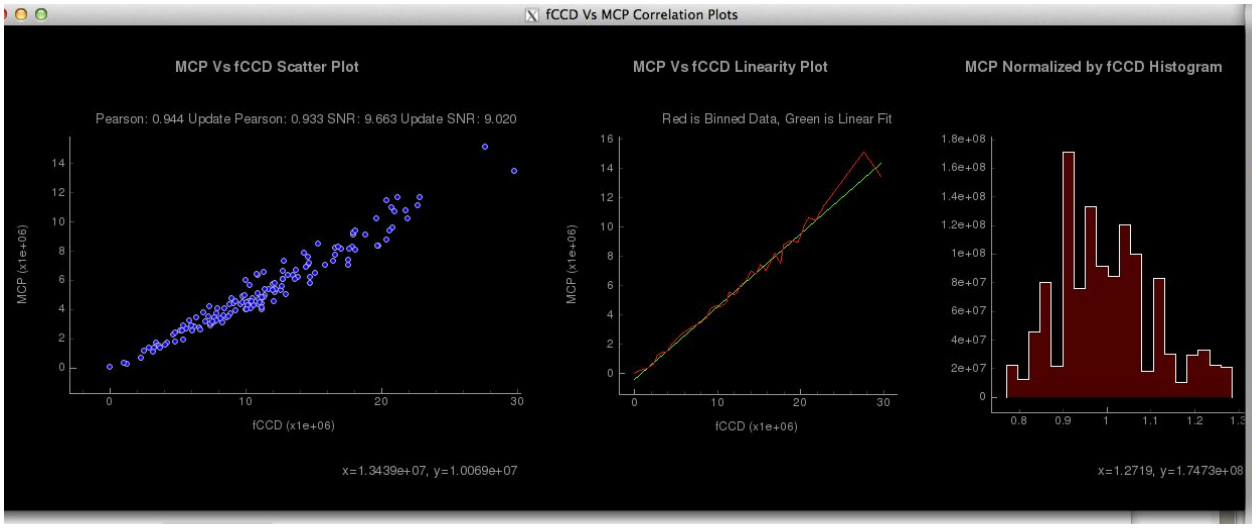
To run code:

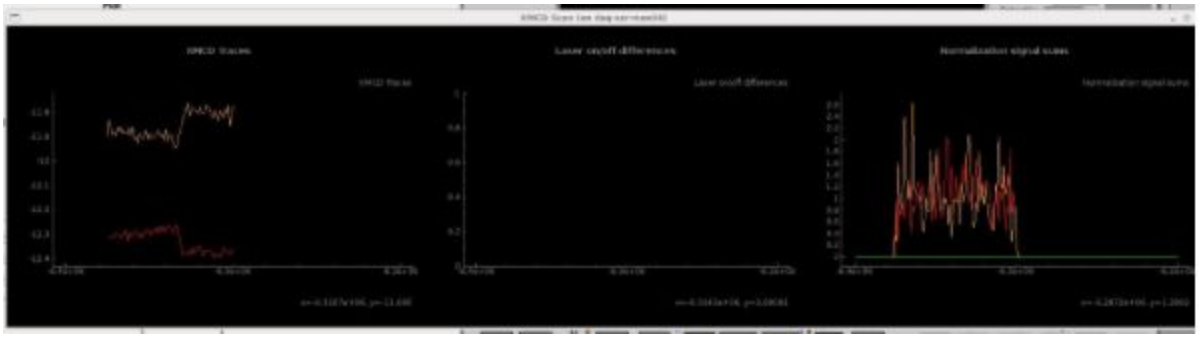
- Copy the code to somewhere where you have permission to run it. The code is in the directory ~dhigley/LQ27_online. Copy this entire directory.
- Be on one of the machines that have access to the monitoring nodes (one of the machines labeled SXR-CONSOLE, SXR-MONITOR, SXR-DAQ, SXR-ELOG, or SXR-CONTROL)
- >> ssh -Y daq-sxr-mon06
- >> cd <your analysis directory>
- >> sh start_ana.sh

This should make correlation plots that look like the following:



At present, this makes 3 such correlation plots. The only one we care about at the moment is the MCP vs Andor one. The other correlation plots are left over from the last experiment.

And delay/monochromator scans which look like the following:



To change the parameters of the plot, edit the cfg.cfg file in <your analysis directory>. One can change integration ranges on the MCPs and Andor this way, as well as switch between plotting the scan vs the monochromator photon energy and that versus the delay stage time.

(This part is presently not done) This code also updates an EPICS PV, SXR:TST:RBV:2, to be the transmission measured from the MCP to the reference CCD. This is often useful to plot on the strip tool while changing parameters (e.g., mono energy).