Remotely access CODA

1. Access VNC using steps in "access Compton computer for vnc remotely".

2. In VNC type "xterm &" into the terminal to create a new terminal window (for this it's best to make four extra terminals).

3. Type "jcedit" in new terminal create or edit a CODA configuration.

4. To create CODA configuration, drag an ROC, PEB, and OUT from the left toolbox into the middle. Then turn on link mode and drag a line from ROC to PEB then from PEB to your OUT. Rename ROC and PEB and remember their names. Remember to "save as" to make a new configuration.

    -If making multiple configurations, use the same PEB.

    -Click on ROC and change read out list (ROL) to "/home/sbs-onl/rol/[username]/[filename]"

    -Click on OUT (should've renamed itself to "file") and change type from "Et" to "File", change file path to "/home/Compton/data/comptonc_%d.dat.%d"

    -Don't forget to save

5. After setting up configuration, in a new terminal type "ssh sbs-onl@comptc". This opens bash, type "tcsh" and hit enter to leave bash. Type "source setup_eel126". Then, "coda_roc -name [type the name of your ROC from your configuration]". This boots up your ROC.

6. To boot PEB, enter new terminal and type "coda_emu_peb [name of your PEB]".

7. After these are booted open rcgui and open your configuration. Hit the wrench to configure, then hit the floppy disk to download, hit play/pause to prestart, and finally start by hitting the play button.

Common issues

-PEB not connecting: make sure you follow steps under step 4.

-If trying to boot an ROC and getting continuous notifications, this could be caused by having multiple ROCs open, or trying to boot an ROC that is already booted. To check type "ps aux | grep coda" from the list find the one you don't want then type "kill [PID you don't want].

-If ROC and PEB don't work, ensure that you and everyone else working have uniquely named objects.

-If PEB still doesn't work or you are getting readings from the wrong machine, ensure that you're using different connections, go to the configuration in jcedit, then in link mode draw the link from your ROC to the PEB and check the connection ID at the bottom left.

If using my configuration-

-Do steps 1 and 2

-Use step 5 and setup my ROC (ROC6).

-Use step 6 and setup my PEB (PEBmatthew).

-Use step 7 and load my configuration "comptoneelcfaV3".