## LED Calibration

1.) Plug black USB cable into USB port on LED driver board
2.) The LED should be plugged into channel LED1 (should never need to be removed)
3.) The LED trigger should be plugged into channel OUT1 (should never need to be removed)
4.) Check the position of the Po-210 source, it should read 9000 on the dial
5.) Open terminal, go to /home/uboonedaq/EDIT2018/Pulser
6.) Execute ./Pulse100Hz.sh
7.) On oscilloscope set trigger to channel 1, positive slope, threshold 130 mV.
8.) Activate channels 1,3, and 4 on the oscilloscope.
9.) Move trigger position to the first horizontal tick mark
10.)   Scope settings: channels: 20 mV divisions, x-axis 400 ns at 1.6 ns per point
11.)   Scope should look like the image below
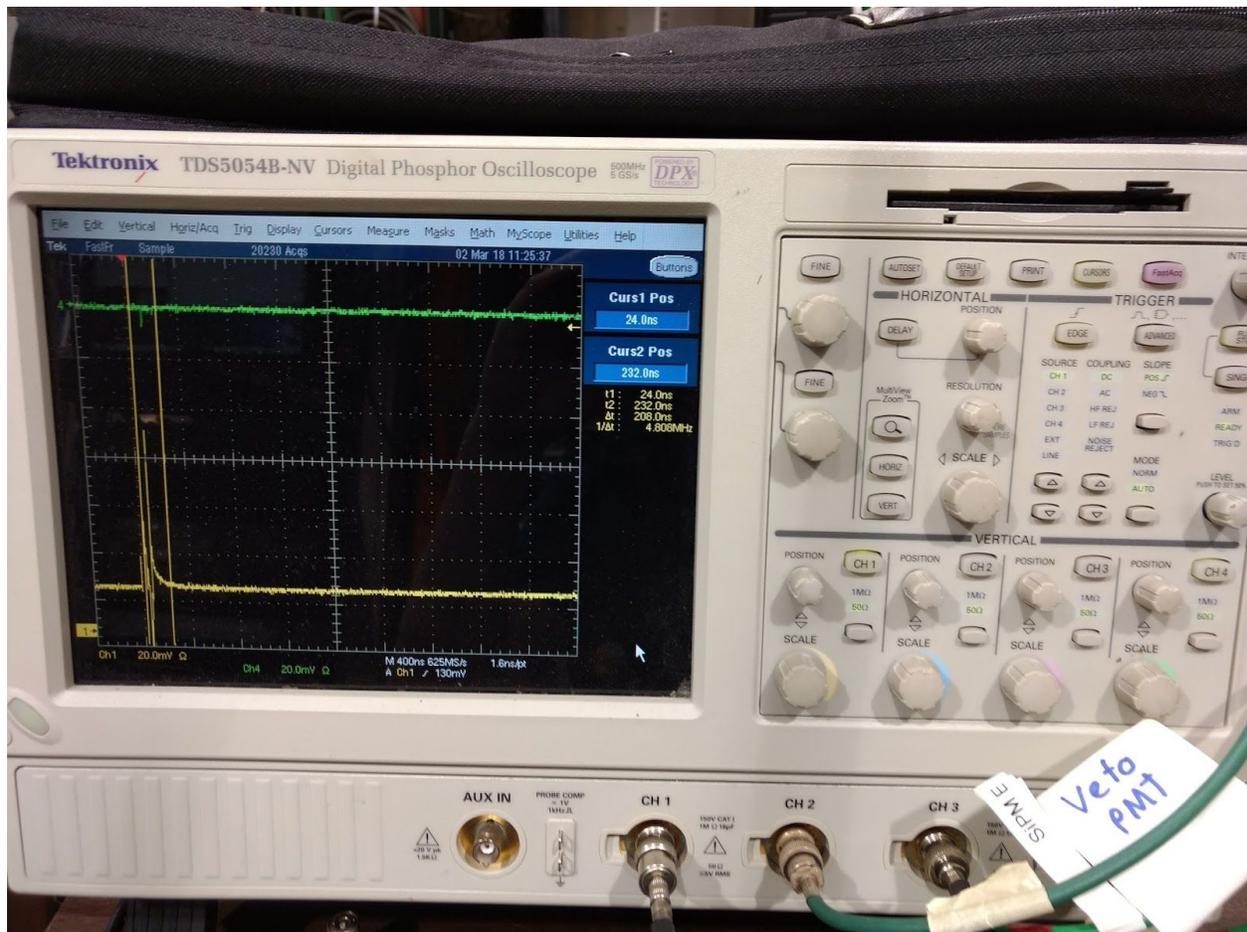
12.)   Go to /home/uboonedaq/EDIT2018/TallBo_daq
13.)   Execute: source setup.sh
14.)   Execute ./wunderbar
15.)   Answer the questions:
"What folder do you want to save in?" today's date (i.e 03-06-18)

16.)   Close computer and collect data. Data will appear in /home/uboonedaq/EDIT2018/TallBo_data/03-XX-18

17.)   After LED calibration unplug USB cable to pulser board

18.)   Deactivate channel 1. Activate channels 3,4.

19.)   Set trigger to channel 4, negative. Set threshold to -7.2 mV. Set trigger horizontal position to the first major tickmark.