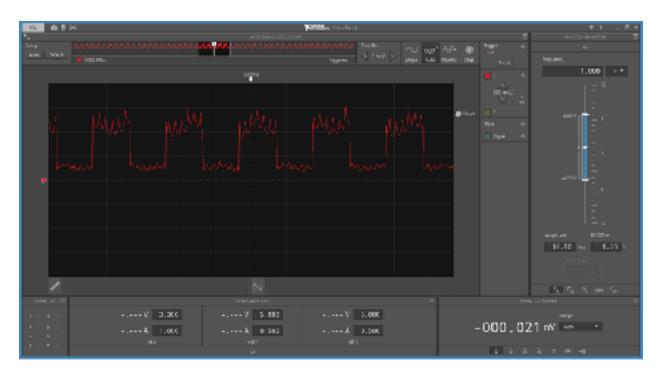
## Lab 5

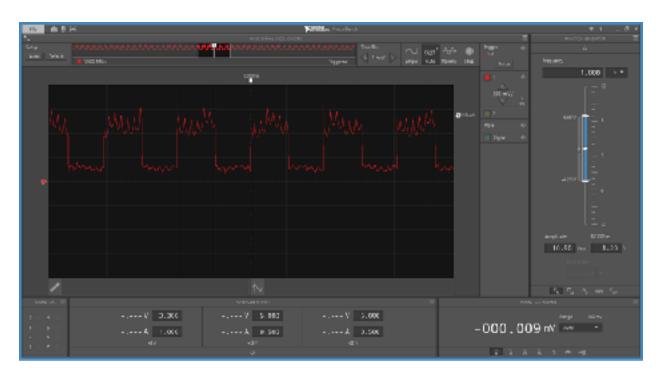
1.

What is the voltage at FLYBACK while the motor is running without the flyback diode? with the diode? Include screen captures of the measurements.

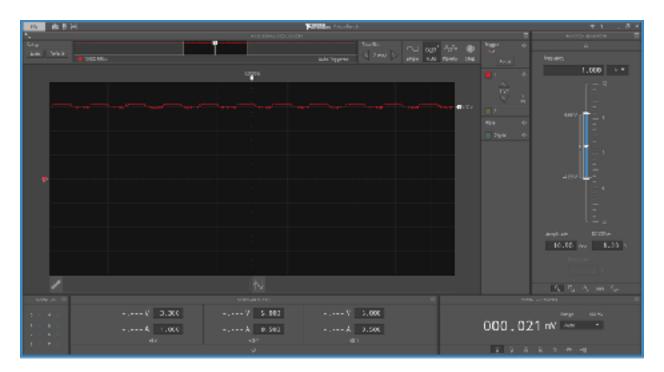
With diode:



## Without diode:



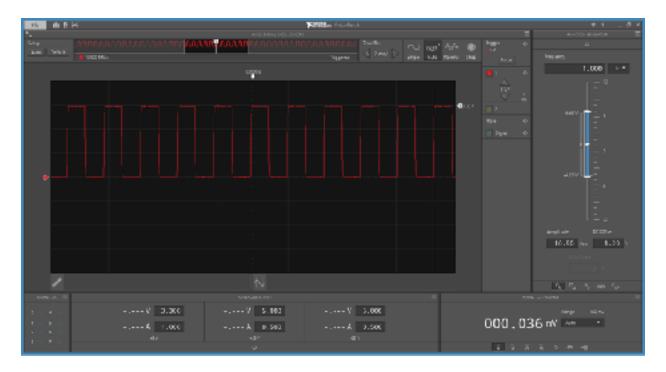
2. What is the minimum voltage you observe on VCC while the motor is running without the decoupling cap? With the cap? Include screen captures of the measurements. With cap:



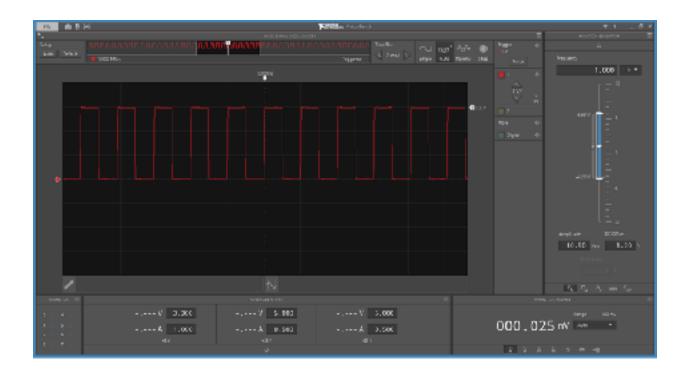
## Without cap:



3. What effect does the filter (C1 and R1) have on the PWM input to the controller (i.e., how is the signal at PWM different than the signal at FILTERED)? Include screen captures of each. With filter:



## Without Filter:



4. What effect does the filter have on the voltage range on FLYBACK? It will make the range of Flyback smaller and thus stabilize Flyback