Experiment Setup for Dyno Data Collection

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1. Make sure all cables are hooked up and working.
2. Boot up PC and run Windows TeamViewer
3. Make sure Nadovich has turned HV on and E-Stop button is not closed
4. Open VirtualBox through Team viewer-> Run OpenSuse->Run "DYNO"
5. Go to Power Supply tab and click "ON", Go to room and look in to see voltage is present at supply
6. Minimize V.B. momentarily open 1314-Programmer
    a. Choose data to monitor
        i. Motor RPM
        ii. Motor Temp
        iii. Controller Current(RMS)
        iv. Controller Temp
        v. Controller Frequency
    b. Run data logger @500ms

2. Set the load 100% to 0%
    a. For each load setting, change current (throttle setting) to reach a desired rpm +/- 1%
    b. Record load (%), current (A), rpm and torque (ft-lb)
3. Set the load 100% to 0%
    1. For each load setting, change current (throttle setting) to reach a desired torque +/- 1%
    2. Record load (%), current (A), rpm and torque (ft-lb)
4. Set the load 100% to 0%
    3. For each load setting, change current (throttling setting) to reach a desired current +/- 1%
    4. Record load (%), current (A), rpm and torque (ft-lb)

Note: Fill the Experiment setup spreadsheet that has the template described in 1, 2 3 above.