600MHz VARIAN GENERAL EXPERIMENT STARTUP

1) Log into your user account.
   - User ID: Use your assigned user ID.
   - Password: Password chosen during NMR training.
2) Launch VnmrJ software using the icon on the desktop.
3) Eject the standard.
4) Insert your sample.
5) Select New Study.
6) Enter Sample Name.
7) Select the correct solvent.
8) Set Lock to No, unmark shim and mark tune.
9) Click on Lock.
10) Select find Z0.
11) Click on Lock.
12) Adjust the lock phase to get a maximum lock signal, current phase ~ 64.
13) Select gradient shim, rms error should be about or less than 1%.
14) Verify on shim tab that Z0 is about -2200 and all other Z shims are between -4000 and 4000.
15) Go back to lock tab.
16) Turn off lock and turn on lock scan to adjust lock frequency.
   - Use the middle button to adjust the correction sensitivity to 10 or 1.
   - Increase and decrease to achieve a flat maximum yellow line and a level blue line.
17) Turn lock on.
18) Turn lock scan off.
19) Select Proton Experiment, double click PROTON scan, and set parameters.
20) Select any other experiment to run, double click on experiment, and set parameters.
21) Tune probe for nuclei used, highband and low band.
20) Select Submit to start scan(s).
22) When all experiments are complete eject your sample.
22) Insert the CDCl3 standard.