Bruker AVIII HD 400-C3PO and 500-Chewie Training Note:

1. Open topspin
2. Start → Create Dataset (new)
    - Select solvent; check 'getprosol'; select pulse sequence: PROTON or C13CPD
3. Acquire →
    - Sample (ej & ij) --- clean nmr tube and hold spinner properly.
    - Lock (lock) --- wait till "lock done"
    - Tune (atma)
    - Spin (ro on; ro off; ro)
    - Shim (topshim)
    - Prosol (getprosol)
    - Gain (rga)
    - Then you may go to "AcquPars tab" change 'NS'; and click "clock" icon to show total experiment time
    - Go (zg)
4. Process →
    - Proc. Spectrum ('proc1d y' or efp)
    - Adjust Phase (apk)
    - Calib. Axis (.cal)
    - Pick peaks (.pp)
    - Integrate (.int)
    - Correct baseline (absn)

Note:

1) Always **PATIENTLY** wait till "tune or other process done or finished" shown up and then go to next step! Important!
2) Drag previous data folder in, and "use current parameters"…; always go through the above procedure once again for every new sample; must do **TUNE** if you change to different nucleus 1D measurement, e.g. from PROTON to C13CPD.
3) Upload your data from (/**home/your_nmr_username/nmr --- on B400-C3PO**; or /opt/topspin3.5plx/data/your_nmr_username/nmr --- on all other Bruker machines) into your OneDrive.
4) If you want to run other 2D homonuclear (COSY, NOESY, ROESY, TOCSY, etc.) or heteronuclear experiments (HSQC, HMBC, etc.), ask Hongwei first before you run.
5) A more detailed instruction of Bruker topspin can be found on our "GT nmr website" under "forms and instruction" tab.