NMR Acquisition Guide

20190819 lzhu

Topspin has a command line to type command. **Each version of Topspin uses the same command.** But the graphic button may change depending on the Topspin version. So I use commands in the following steps:

1. Create new dataset: `type new` ; Then fill all the information;  
   See page2 for more information

2. Insert your sample if you haven’t done so.  
   Read “NMR Sample Preparation_UCR” for more information

3. Read Shim file(optional): `type rsh` ; Then choose the most up-to-date shim:  
   e.g. For Avance600, choose BBFO_AV600.shim;  
       For NEO400, choose Prodigy_NEO400.shim.

4. Lock solvent: `type lock` ; Then choose the solvent in your sample

5. Tune probe: `type atma` ; If the probe needs tuned manually, `type wobb`

6. Shim via gui panel: `type topshim gui` ;

![Shim GUI Panel](image)

Always choose “Z” in After

For Cryoprobe including Prodigy probe, always have “convcomp” in PARAMETERS

Click “Start” to run auto-shimming!

7. Review parameters: `type ased` ; check d1, ns, sw, o1p and so on...

8. Adjust receiver gain: `type rga` ; *this could take 30 seconds or so*

9. Acquire data: `type zg` ;
Topspin 2.1 Create New Dataset Window

You can use different NAME folders for each dataset. Or you can use different EXPNO number folders under the same NAME folder.

Topspin 4 Create New Dataset Window

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