NMR Acquisition Guide

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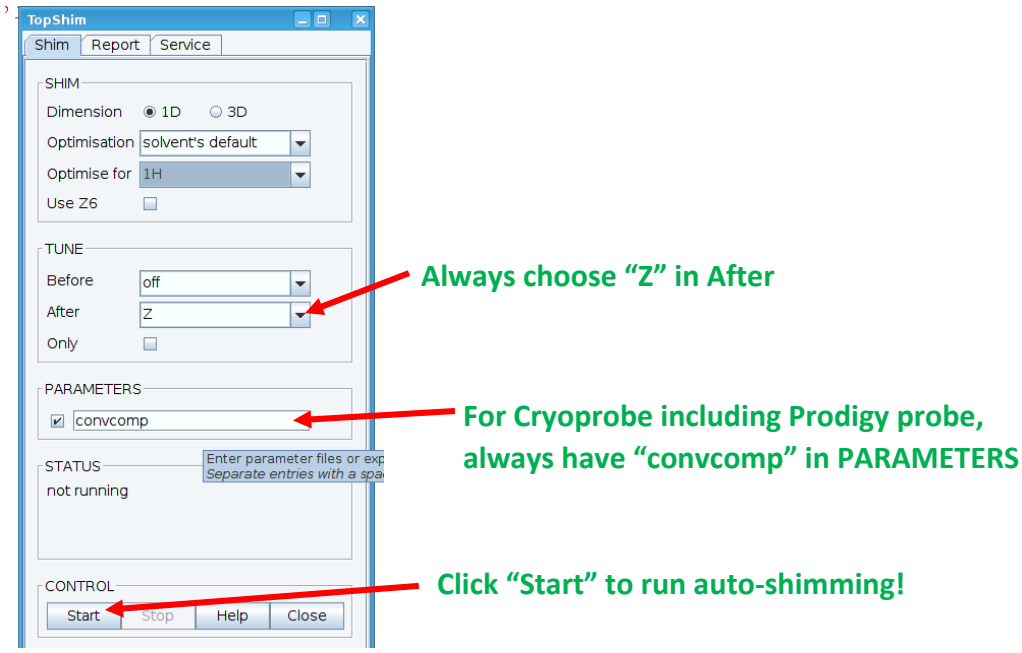
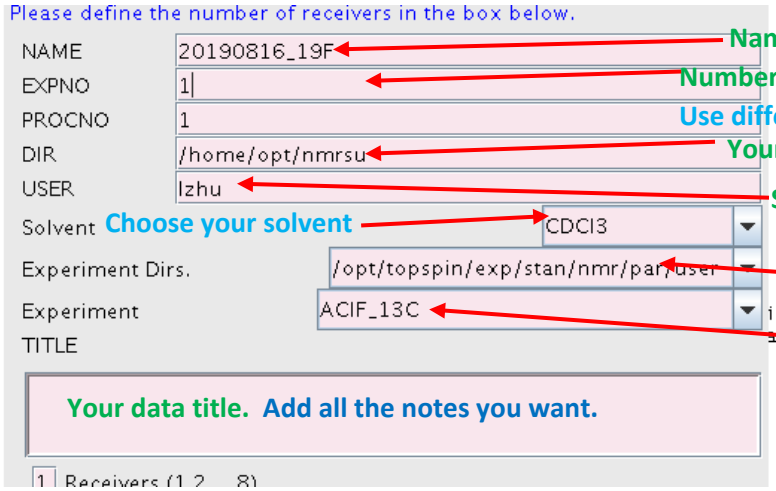
Topspin has a command line to type command. **Each version of Topspin uses the same command.** But the graphic button may change depending on the Topspin version. So I use commands in the following steps:

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(Highly Recommanded): 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 mannually, type* ***wobb↵***
6. Shim via gui panel: type **topshim gui↵ ;**



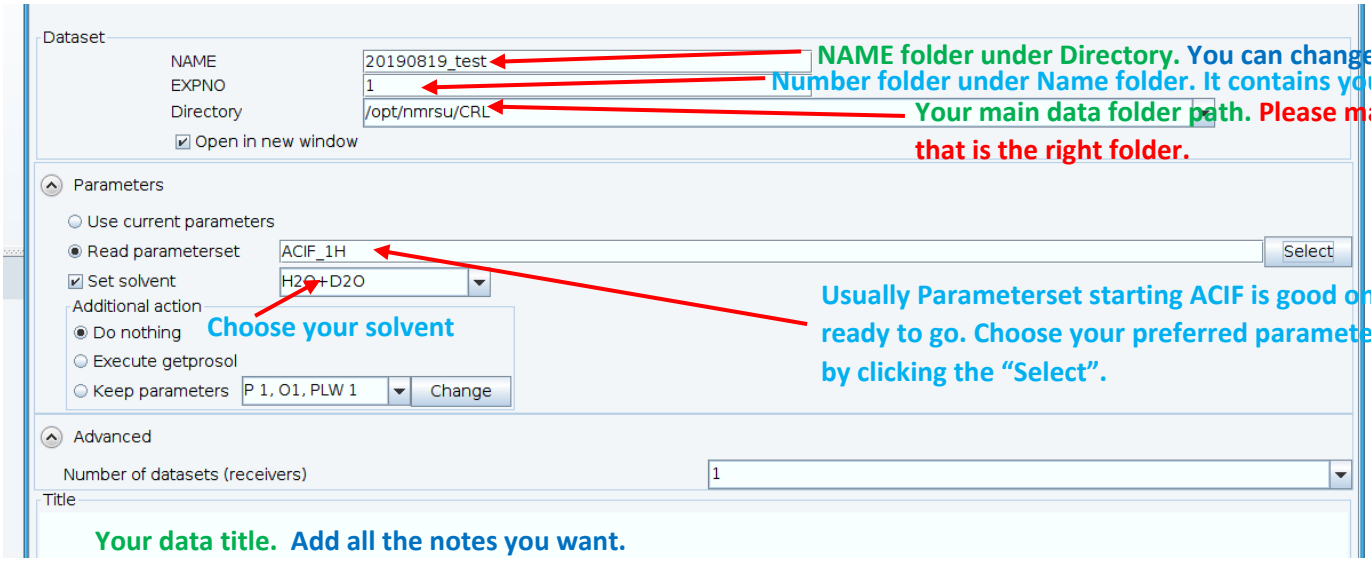
7. Review parameters: type **ased↵ ; check d1, ns, sw, o1p and so on…**
8. Adjust receiver gain: type **rga↵ ;** *this could take 30 seconds or so*
9. Acquire data: type **zg↵ ;**

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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