

## Further Information on Training Steps

1. If you only want to process data acquired with the sample changer, you only need to stay for the Topspin portion of the Data Processing training session (10 AM on Tuesdays). You should consider getting your own copy of Topspin.

2. If you want to learn to acquire data manually, you must practice using Topspin and Xwinmr depending on which spectrometer you will use. These are both Bruker data systems and are very similar for commands that are typed.

A. Topspin – Used on the AV300 (and the AV600), learning Topspin is usually the first step in getting checked out to use the spectrometers manually. The AV300 is a fully-broadbanded system with gradients and variable temperature capabilities. It has a broadband probe with stepping motors that allow probe tuning to be done under computer control. If you plan to use the rest of the NMR spectrometers, it is a good idea to learn to type commands (rather than select them from the menus) because most are identical in Topspin and Xwinmr.

1) The manual acquisition training is given Thursdays from 9:00 AM – 11:00 AM.

2) Prior to attending the manual acquisition training, you must practice using Topspin for data processing and take the Topspin data processing test.

3) When you are ready to take the data processing test, contact Jane Strouse. Either call (X59841) or send email ([strousej@chem.ucla.edu](mailto:strousej@chem.ucla.edu)) to set up a time to take the test.

4) Since the manual acquisition training requires the availability of the spectrometer, we must know by Wednesday at 9:00 AM whether anyone is ready to do the training. Therefore, you have to have taken the data processing test prior to 9:00 AM on the Wednesday of the week in which you want to attend the data acquisition training.

5) When classes are in session, it is likely that some people will not be able to attend the scheduled manual acquisition training sessions. In that case, contact Gardner Creech ([creech@chem.ucla.edu](mailto:creech@chem.ucla.edu)) to arrange a different time.

B. Xwinmr – Used on all spectrometers except the AV300 and the AV600, learning Xwinmr is generally done after learning to use the AV300. We recommend waiting until you need to use the other spectrometers for your research. For those who are interested, that training session immediately follows the Topspin data processing training (11:00 AM on Tuesdays).

1) Many of the commands that are typed in Topspin are the same in Xwinmr. For this reason, it is a good idea to get used to typing commands in Topspin rather than selecting them in the menus if you plan to use all of the departmental NMR spectrometers.

2) Prior to attending the manual acquisition training, you must practice using Xwinmr for data processing and take the Xwinmr data processing test. Since the probes on all the

spectrometers that use Xwinnmr require manual probe tuning, an important part of this training session is devoted to probe tuning.

- 3) The manual acquisition using Xwinnmr training is given Fridays from 10:00 AM – noon.
- 4) When you are ready to take the data processing test, contact Jane Strouse. Either call (X59841) or send email ([strousej@chem.ucla.edu](mailto:strousej@chem.ucla.edu)) to set up a time to take the test.
- 5) Since the manual acquisition training requires the availability of the spectrometer, we must know by Thursday at 10:00 AM whether anyone is ready to do the training. Therefore, you have to have taken the Xwinnmr data processing test prior to 10:00 AM on the Thursday of the week in which you want to attend the data acquisition training.
- 6) When classes are in session, it is likely that some people will not be able to attend the scheduled manual acquisition training sessions. In that case, contact Gardner Creech ([creech@chem.ucla.edu](mailto:creech@chem.ucla.edu)) to arrange a different time.