Generate a 1D Stack Plot with Topspin

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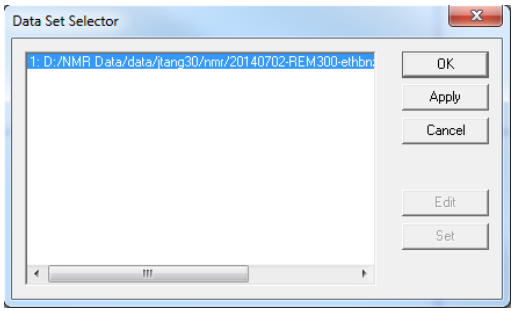
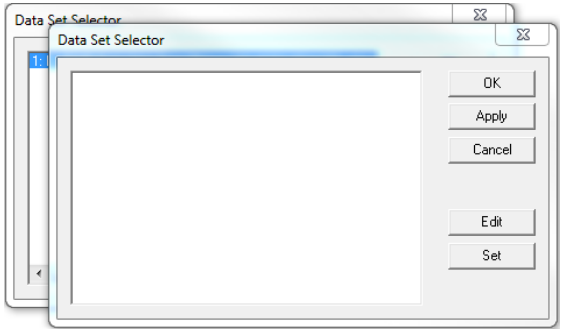
Stacked Plots

- For some students it maybe easier to compare spectra when they are within the same plot, stacked upon each other. This can give a showing of how peaks are shifting, changes in peak splittings and signal intensities.
- With Topspin plotter you can stack 1D and 2D data.
- **Steps (1D data stack plot):**
  1. In Topspin, within the *ProcPars* tab, select the proper layout for your data (e.g. +/1D_X.xwp or +/1D_H.xwp).
  2. Type *plot* in the command line to start the TOPSPIN Plot Editor.
  3. In the Plot Editor, click on the Data button on the toolbar. This will open up a 'Data Set Selector' window. It should list the current data set you are working with.

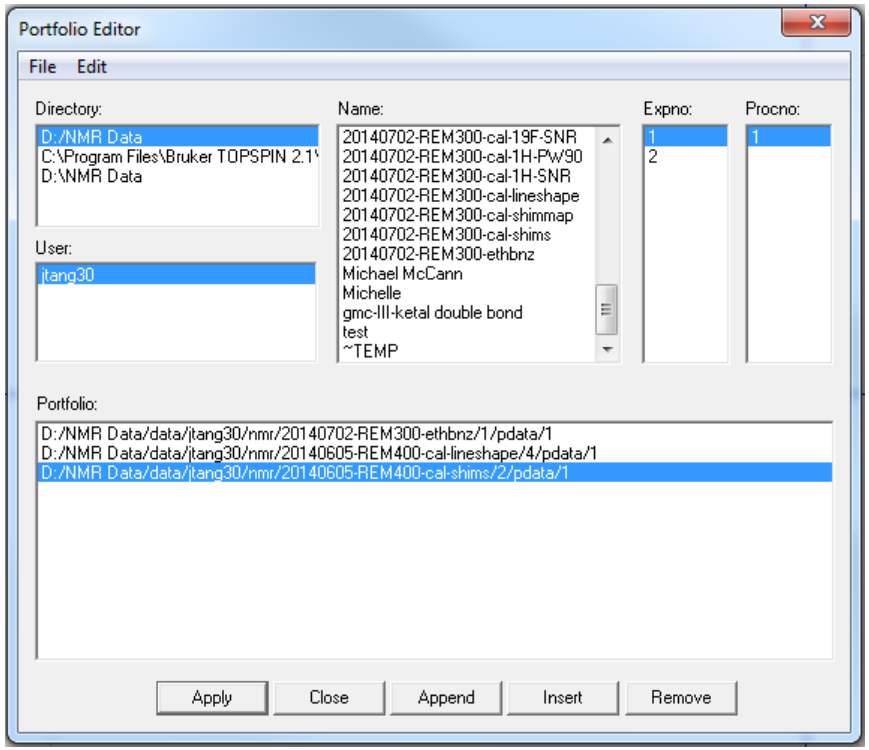


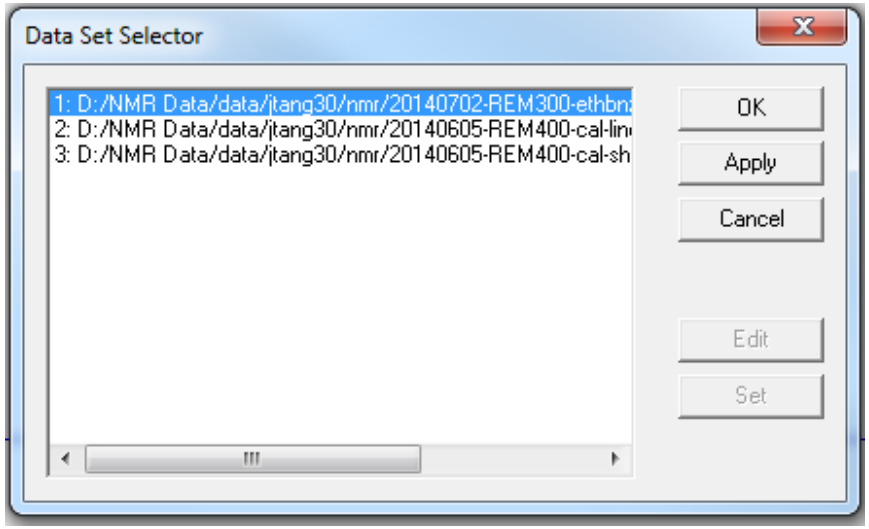
  4. Press the Data button again, and a blank 'Data Set Selector' window will open. Note that the [Edit] and [Set] buttons are now active.



Stacked Plot

5. Click on the Edit button on the blank ’Data Set Selector’ window. This will bring up a ‘Portfolio Editor’ which lists all the data folders, Expnos and Procnos. Select the proper Directory and username for your data.
6. Add the data to be stacked into the Protfolio list by selecting the data and clicking on either ‘Append’ or ‘Insert’ to add the data to the bottom or top of the list.
7. When finished populating the list, click ‘Apply’. This will close the window and you will now see the original ’Data Set Selector’ window shows the new portfolio list.





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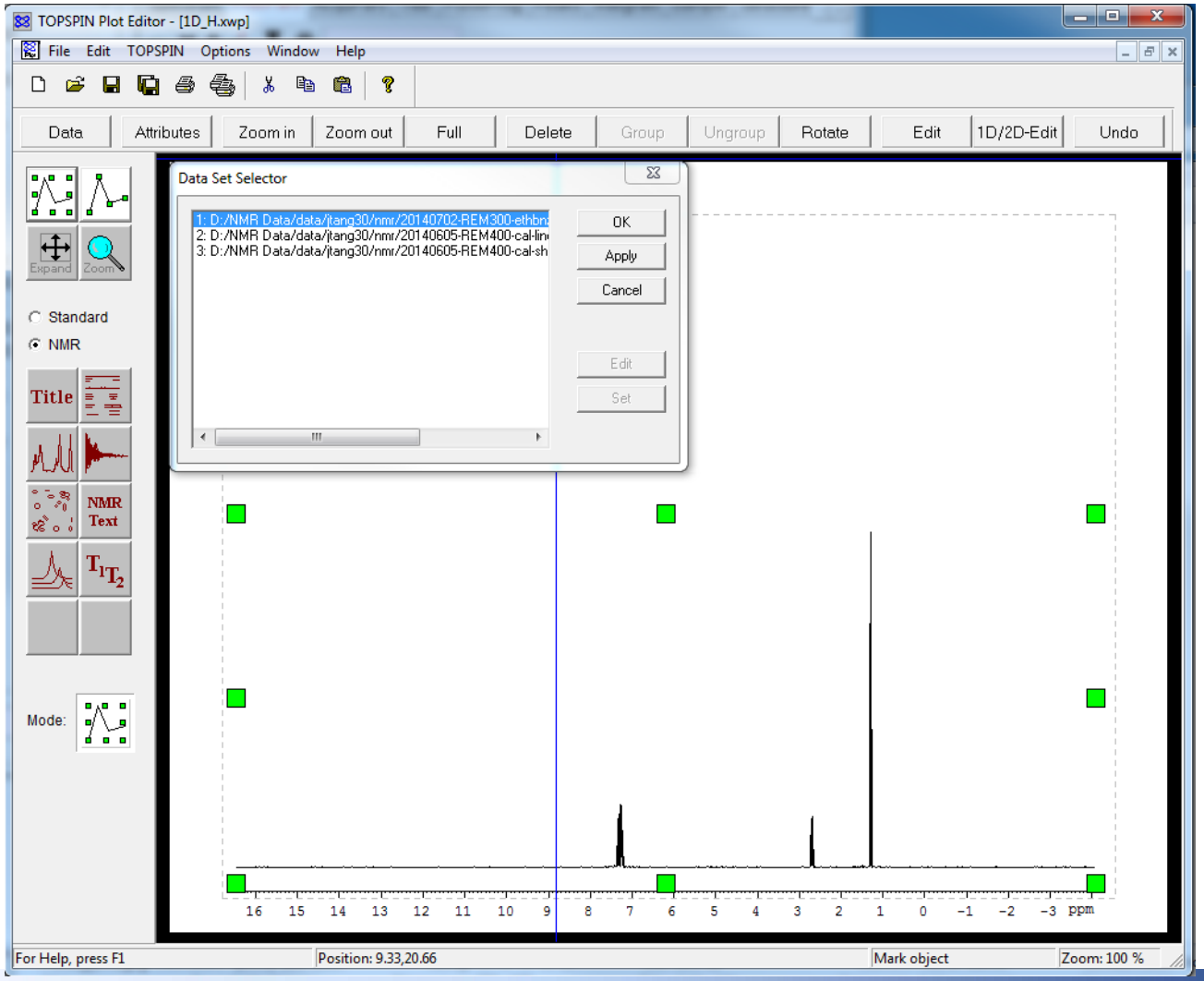
5. In the plot editor go into the multiple spectrum mode  and drag in a plot into the blank canvas.
6. Using the selector mode  highlight the spectrum.



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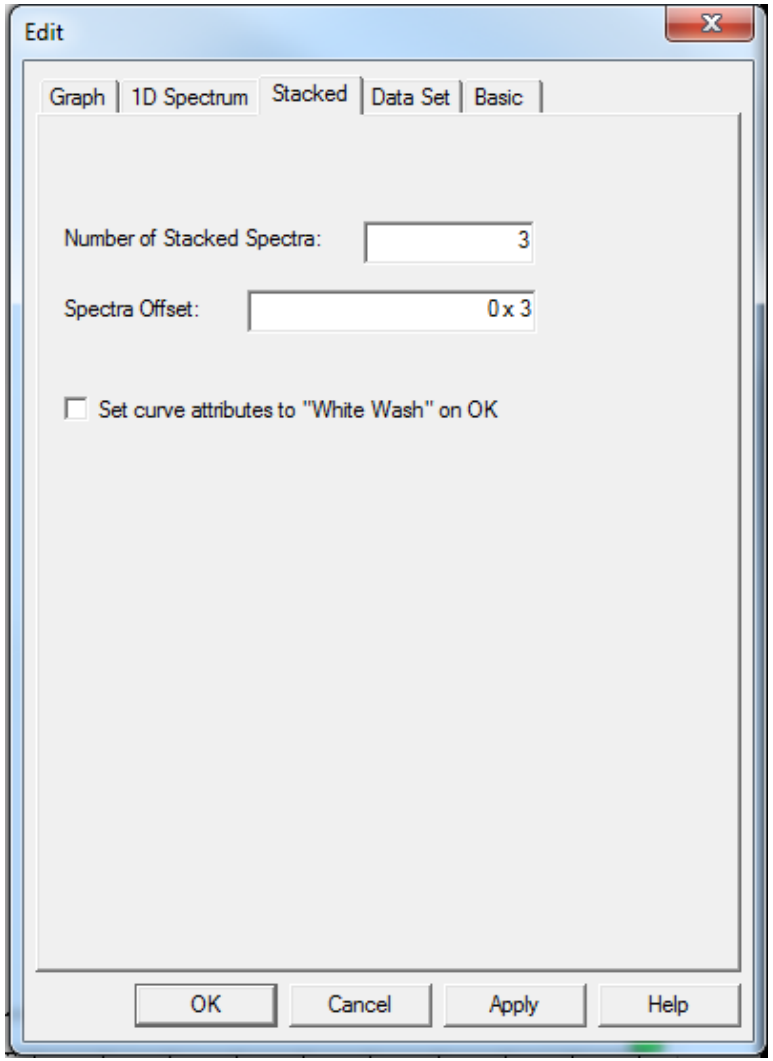
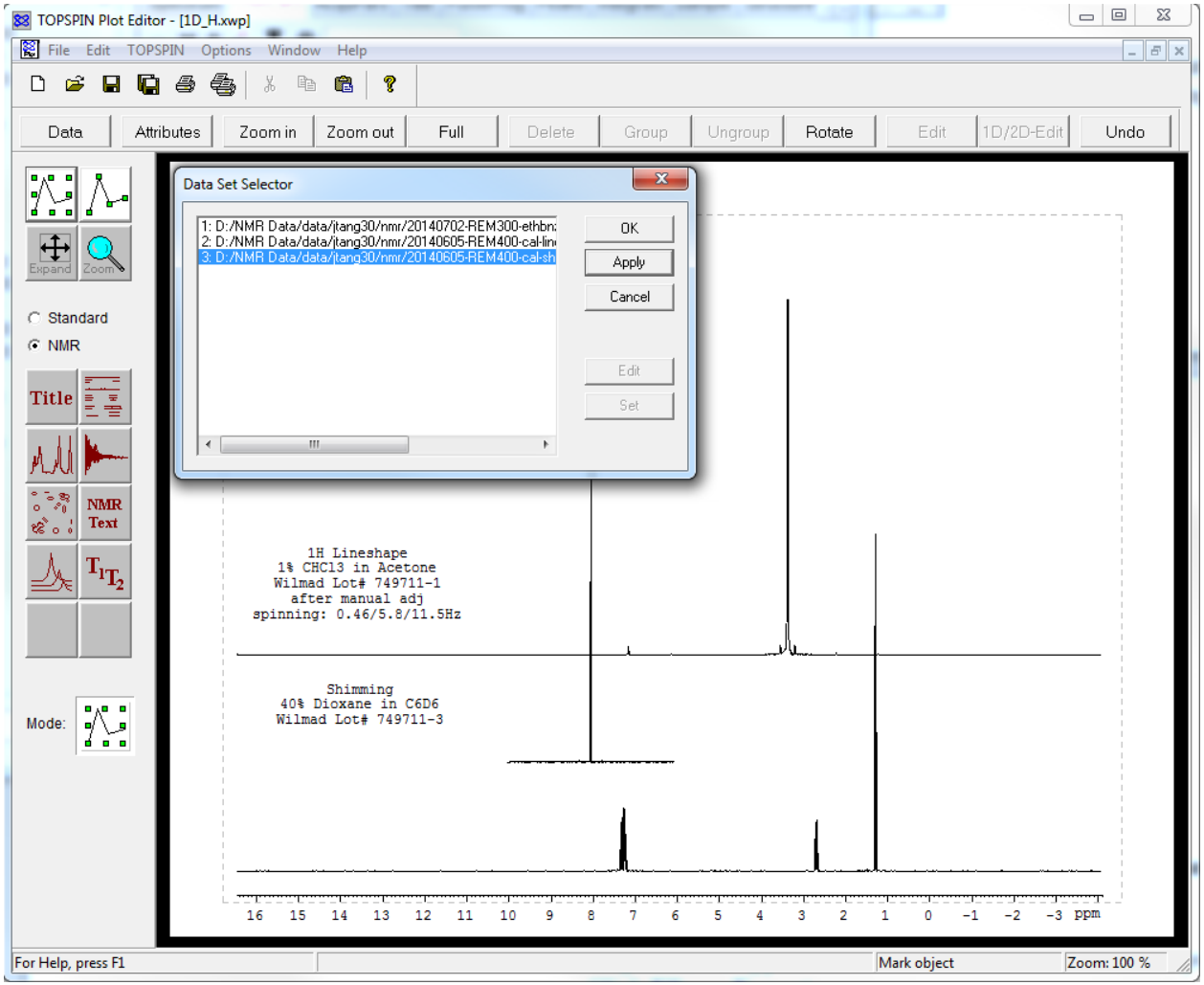
7. Click on the Edit button on the toolbar to bring up the Edit menu and go into the 'Stacked' tab.
8. Change the "Number of Stacked Spectra" to the proper value
9. Adjust the "Spectra Offset" to position the different spectra. The two numbers correspond to the X and Y offset positions.
10. When done, click Apply (may need to be done a twice).
11. You may need to adjust steps 9 and 10 a few times until you get the desired layout.



Stacked Plot



12. Formatting the plot can be done as you usually would with one data set. If the parameters/title/notes from a specific plot is desired highlight the data in the 'Data Set Selector' and click Apply. This will select the information from that specific data.