

## Varian to Bruker Data File Conversion vconv (20080108)

**This conversion is ideal for using Bruker's plotting software, Topspin Plot Editor, to produce some great looking plots with your Varian data!**

### **Outline:**

The following 5 steps are involved:

1. Log onto a PC workstation in the DCIF off-line processing room.
2. Open a SecureFX session to the workstation (or spectrometer) with the data you wish to convert.
3. Transfer your file(s) to network **Z:** Drive.
4. Convert the data from within Bruker's Topspin program (repeat as necessary).
5. Fourier Transform and process your data using Bruker commands.

1. Log onto a workstation located in the off-line processing room

2. Double click on the SecureFX desktop icon. All user desktops should have a SecureFX desktop icon. (If you do not, open the program by Start > Programs > MIT SecureFX > SecureFX.) From here you can open a secure ftp (sftp) session to the workstation Zippy. All files saved using svfz on the Varian NMR spectrometers are also saved to the workstation Zippy.

The Zippy directory structure is automatically set to:

**[/data/export/home/GroupID/UID/SpectrometerName/filename.fid](#)**.

- Once logged into zippy, locate the file(s) you wish to transfer. Note that Varian data sets by default append a '.fid' extension to the filename and the actual data set is contained within this directory. Example: If you saved your file as My\_Nobel\_Prize the saved file will appear as a directory called My\_Nobel\_Prize.fid.

3. Highlight the desired directory (**[filename.fid](#)**) on the remote site and transfer (**right-click and drag**) the entire data directory to the **Z:** drive on local system. The SecureFX program will prompt with a "Chose Transfer Type" window: select Binary Transfer

These new data directories must be created as

**[Z:\data\UserID\nmr\filename.fid](#)**

- Once all of the file transfers are complete, close your SecureFX sftp session.

4. Start Topspin by clicking the Topspin desktop icon. If the desktop icon is not present you can start the program by selecting Start > Programs > Bruker Topspin > Topspin 1.3 > Topspin 1.3.

- Once the Topspin program has started type **vconv** (Varian Conversion) at the command line.

- In the pop-up window select the **filename.fid** folder  
**Z:\data\UID\nmr\filename.fid**

- Click **[VNMR data conversion]**

- The next pop-up window the confirms the data location

- Enter the VNMR-NAME for VNMR data: **filename.fid**

- Enter the EXPNO for VNMR data: 1 (default value is OK)

- Enter the DIR for VNMR data: **Z:**

- Enter the USER for VNMR data: **UID** (your user id)

- Repeat as necessary for each of the data sets your wish to convert.

- Using the above example, the converted data will be placed in

- Z:\data\UID\nmr\filename.fid\1**

5. Load, Fourier Transform and process your data using Bruker commands.