

PINMRF

Varian Inova NMR Spectrometers - Data Transfer between Varian Spectrometer and Sun Workstation

Version 7-15-2009, JSH.

Overview

These notes cover the steps involved in moving an NMR dataset from a Varian spectrometer to a Sun offline workstation. These notes are designed to be used in conjunction with the PINMRF Varian 1D Training Guide.

Varian / Sun data transfer

1. **On the offline Sun workstation** (Endeavour), enter your login ID in the login field.
2. Enter your password in the password field.
3. Wait for the window manager to start completely. Move the mouse pointer to the desktop background.
4. Right-click the DESKTOP button on the icon. Then, right-click the FILES button, followed by the FILE MANAGER choice. This will open a “file manager” window.
5. In the grey area of the file manager window, you will see a string of text with slash characters (/) in it. This is your home directory on Endeavour and does not need to be changed. This file manager window will be referred to from now on as the “target file manager window.”
6. Repeat step 4 to open a second file manager window. Move this window such that you can easily see all of both the file manager windows on the screen.
7. The second file manager window is the “source file manager window.”
8. In the grey text field of the source file manager window, replace the current string with the following string that you enter:

/nfs/spectrometer/d2/groupid/userid/

(example: /nfs/inova300-1/d2/pinmrf/harwood)

where “spectrometer” is the name of the Varian spectrometer you want to get your data from, “groupid” is the last name of your research group advisor, and “userid” is your own login ID. Be sure to include the leading slash.

NOTE: some users will not need to include their groupid in the strings shown above and below.

9. In the source file manager window, you should now see individual folders for each different dataset name you have saved in your home directory on the selected spectrometer.

10. To copy a folder from the spectrometer to Endeavour, first left-click the desired folder to highlight it. Next, left-click the SELECTED menu button at the top of the window, followed by the COPY TO... choice. This will bring up a new window with a field for the “Destination Folder” for the copy of the file. In this field remove all the existing text and replace it with the exact same string that you see in the grey directory field of your target file manager window, e.g.:

/mnt/d2/groupid/userid/ (example: /mnt/d2/pinmrf/harwood);

or

/nfs/endeavour/d2/groupid/userid (example: /nfs/endeavour/d2/pinmrf/harwood);

(these two entries actually point to the same location).

After entering this string, click on the OK button. This will copy the folder (dataset) from the spectrometer to Endeavour. A message window will appear while the duplication takes place.

NOTE: this may take some time if the dataset is large.

13. When you are finished moving data, left-click the FILE pull-down menu and go to CLOSE to close the file manager windows. Alternatively, you can leave them open, or iconify them, and open VNMR with them in the background.

14. Please note that this process leaves the original dataset intact on the spectrometer. Please do not keep too much NMR data on the spectrometer’s disk drives – we ask that you remove unneeded data to keep disk space usage to a minimum.

15. If you want to move a dataset without keeping a copy on the spectrometer, in step 10 (above) simply drag the dataset’s icon from the source file manager window to the target file manager window.