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**Date:** February 7, 2008 3:41:51 PM EST  
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**Subject:** 1) TopSpin 2.1 on AV-800, 2) New Offline Workstation with TopSpin 2.1

Dear Colleagues,

I wanted to inform you about a couple of recent developments related to our new AV-800 spectrometer.

First, the latest version of Bruker's TopSpin software, 2.1, has been installed on the AV-800 and has been set up as the default version. There are many changes between this updated software and the previous version, and I invite you to read the attached release letter for details (I have edited this letter from the original one included with the software). I think that you will find many of these changes to be improvements compared to the previous version. There are a couple of these changes which I want to specifically mention here:

- 1) The pulse program files and some other files (such as AU programs) have been changed back to being normal text files instead of using the database format that was employed in version 2.0. This means that the directory trees for these files are now similar to those found in XWinNMR. However, there is one big difference, and that is that any user-modified pulse programs, AU programs, etc., MUST be stored in a /user subdirectory of the directory tree. For example, user-modified pulse programs must be stored in /opt/topspin2.1/exp/stan/nmr/lists/pp/user. Users no longer have write- permission for files in the standard pp directory.
- 2) The TopShim command, as called by the PINMRF command "topshimjsh" no longer defaults to having Z6 selected. This is the recommended way to use TopShim, i.e., to have it NOT shim Z6.
- 3) There is an amplifier monitor panel available for the status bar area.

Secondly, we have set up a new (used) Linux workstation in 369 WTHR called Freedom. Freedom has TopSpin 2.1 installed on it for off-line data processing. Accounts for Freedom will be set up upon request. In addition to TopSpin data, I have found that TopSpin 2.1 easily processes data obtained on the older XWinNMR-running Brukers, and it also easily imports and converts Varian data for processing with TopSpin.

I would like to thank Kristian Skjervold for sourcing and setting up Freedom.

Sincerely,

John Harwood