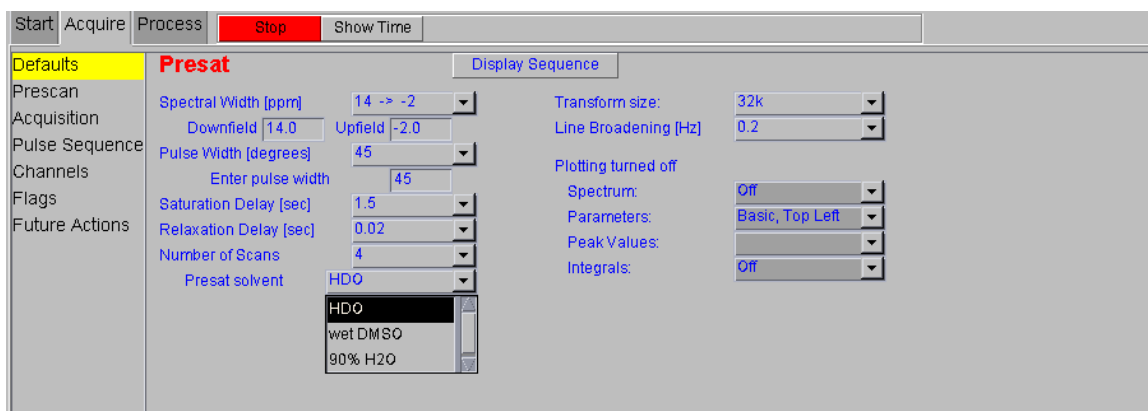


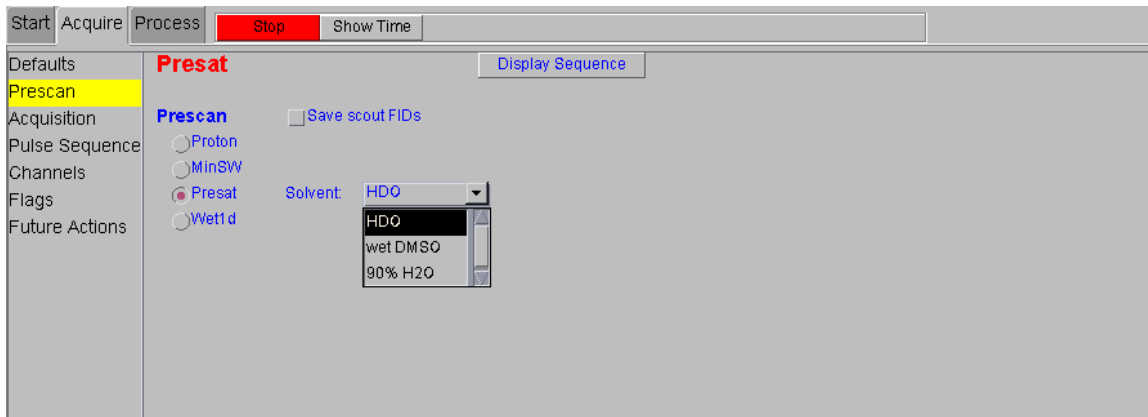
1-D Presaturation (presat)

Note: The 1-D presat experiment will suppress one peak only. In the automation mode, presat will suppress HDO (residual water in D₂O sample), water in a d-DMSO sample, or 90% H₂O only.

1. Running a 1-D proton first to observe the nature of the water peak to suppress is recommended.
2. Fill in the **Study->Start** page with sample name, solvent, auto lock & autoshim. Set up a 1-D presat in the study queue. Double click the presat to load the parameters. Do a >su in the command line. Tune the proton channel (Channel 1).
3. Edit the **Acquire->Default** menu for presat. Be sure to select the correct suppression (HDO, wet DMSO, or 90% H₂O).



4. Check the **Acquire->Prescan** menu for the correct presat solvent and that presat is checked.



5. Update the time in the study queue and submit the sample. After the experiment begins, the **Acquire-> Prescan** menu will disappear. This experiment also runs what are called "Scout FIDs" after the autolock so the acquisition may indicate that.

6. When processing a presat, do not try to phase the peak that has been suppressed. It may be out of phase and may look negative or half up and half down.