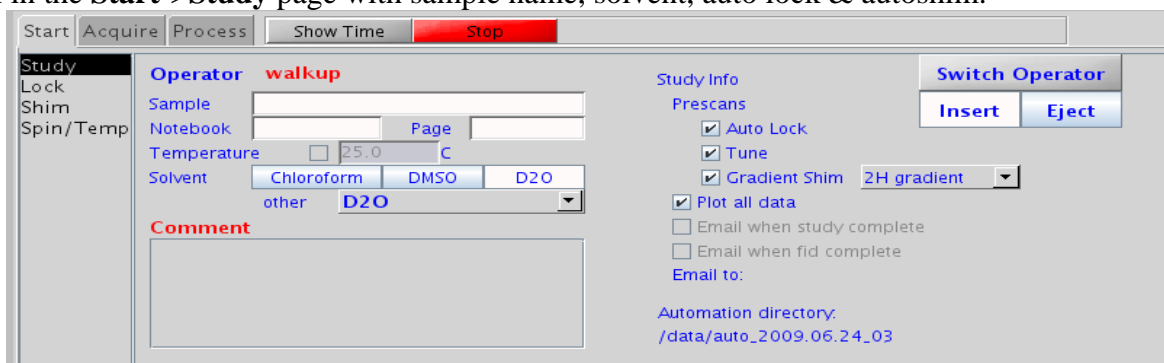


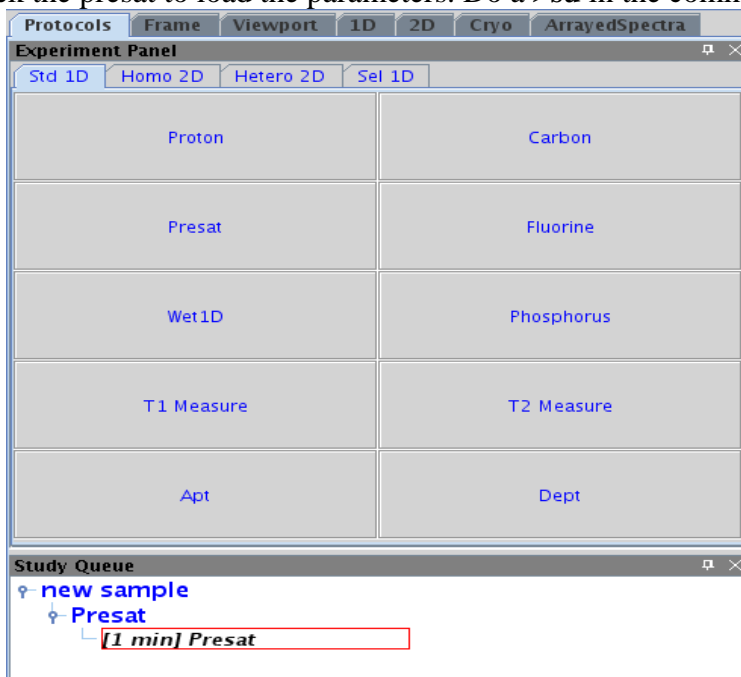
1-D Presaturation Experiments (presat)

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.

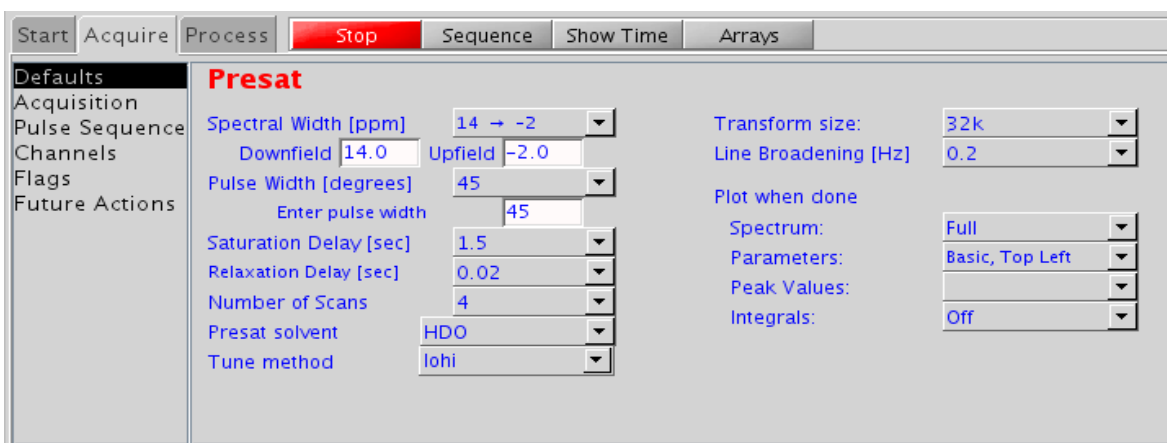
1. Running a 1-D proton first to observe the nature of the water peak to suppress is recommended.
2. Fill in the **Start->Study** page with sample name, solvent, auto lock & autoshim.



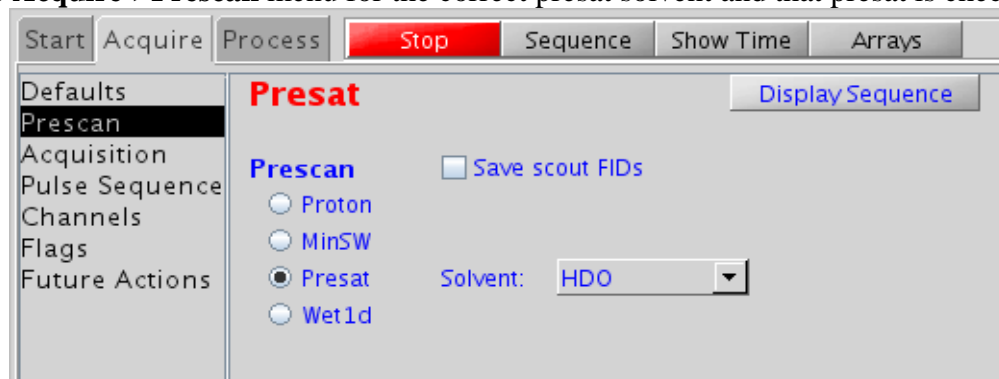
3. Set up a 1-D presat in the study queue by clicking the presat button in the experimnet panel under the Std 1d tab. Double click the presat to load the parameters. Do a `>su` in the command line.



4. Edit the **Acquire->Defaults** menu for presat. Be sure to select the correct suppression (HDO, wet DMSO, or 90% H2O).



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



6. 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.

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