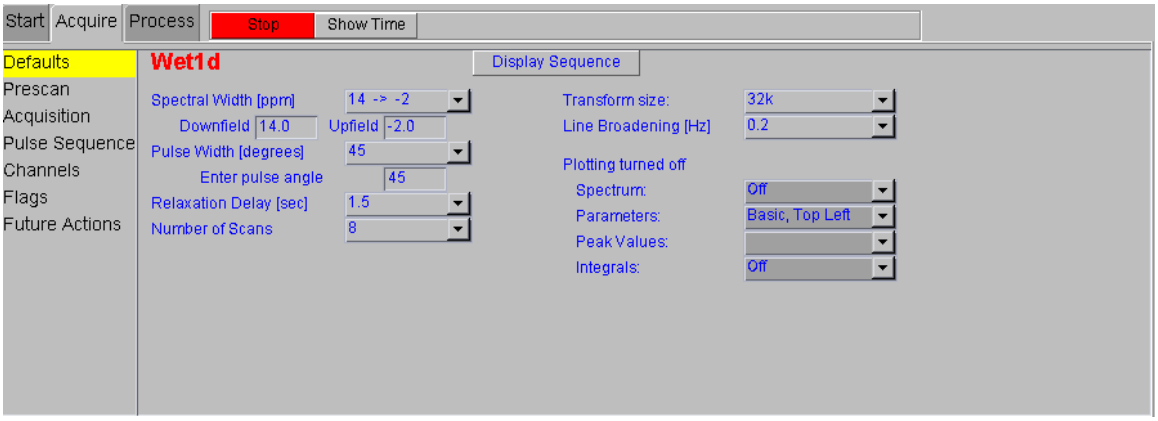
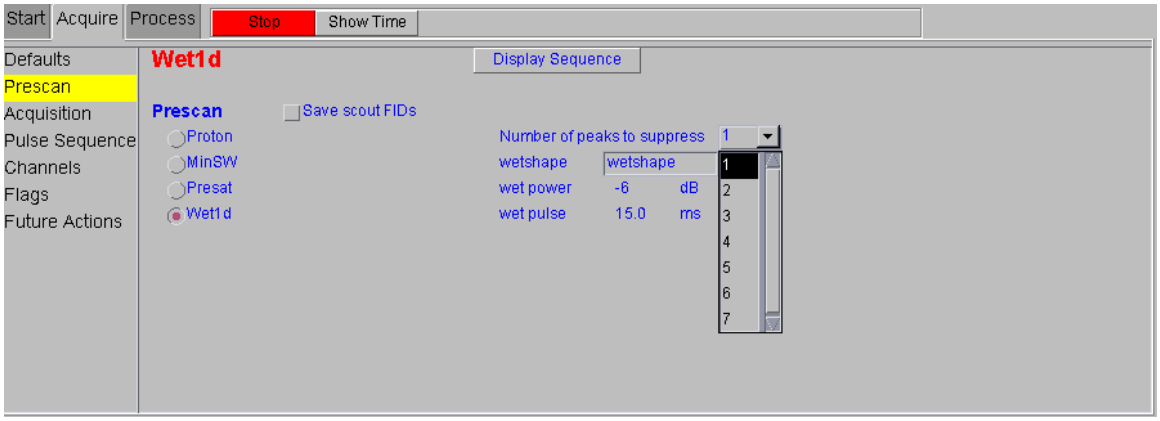
Wet 1D

Notes: Wet 1D will suppress large contaminant or solvent peaks in a proton spectrum. This experiment will suppress more than one peak and will automatically select the largest peak(s) to suppress.

1. Before running a Wet 1-D, running a 1-D proton with no suppression is recommended. The Wet 1-D experiment will suppress the biggest peak(s) present.
2. Set up **Start→Study** page. Enter sample name, solvent, select auto lock and autoshim.
3. Drag wet1D into study queue from 1-D menu. Double click the experiment time to bring in acquire parameters. Run >**su** from the command line and tune the proton (Channel 1).
4. From **Acquire→Defaults**: select spectral width, # scans, and the relaxation delay.



5. **Acquire→Prescan**: under **Prescan**: wet1D should be selected, choose the number of peaks to suppress. Note: the peaks to be suppressed will be the largest ones in the regular proton spectrum.



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.

7. When processing a wet 1-D, do not try to phase the peaks that have been suppressed. They may out of phase and may look negative or half up and half down.