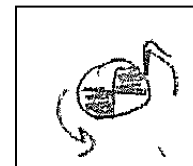


ONE BUTTON 3He FLIP PROCEDURE

FID SCREEN

IF RUNNING AT 2.75A (for lg solenoid) or 2.57A (for sm solenoid), STEPS 1 & 2 APPLY

1. System is working when swirling pinwheel is present in bottom left corner
2. To stop NMR: hit CTRL-BREAK
 - a. "Function Execution Error" dialog box will appear
 - b. click "ok"; dialog box will go away
3. Set current supply to (for large solenoid) **2.75A** or (for small solenoid) **2.57A** if not already there
(IMPORTANT: You WILL de-polarize the cell in < 1sec if the current is not set properly)
4. click on FID controls
 - a. go to "Single" tab; click "AFP Flipper" button
 - b. dialog box "User OK Panel" appears; if FID measurement taken already click "Yes"; otherwise click "No" and take FID measurement: click "FID Analyzer" button (note peaks/troughs)
5. 3He cell flipping occurs automatically follows (occurs instantly after clicking "Yes"; if you click "No", nothing happens)
6. "Command Window" at bottom of screen logs command actions taken; flip should occur if you see:
 - a. "Connecting to AFP NMR flipper" then
 - b. "Closing AFP NMR flipper"



AFTER 3HE CELL FLIP

7. click "FID Analyzer" button
 - a. peaks and troughs should be inverted relative to pre-flip measurement
 - b. "Function Execution Error" dialog box pop-up will appear; click "OK"
8. return power supply to running current (**ONLY APPLIES IF RUNNING I > 2.75A (for lg solenoid) or I > 2.57A (for sm solenoid)**)

ONLY IF RUNNING AT 2.75A (for lg solenoid) or 2.57A (for sm solenoid)

9. click on "Multiple" tab
10. go to "Spin Down" panel
 - a. click "Start Spin Down"
 - b. Command Window log will show: "FID Spindown (n)..."
 - c. Pinwheel re-starts: automatic measurement has begun