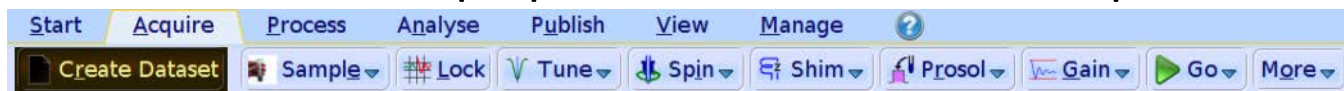


AVHD400 – Topspin3 w/o autosampler

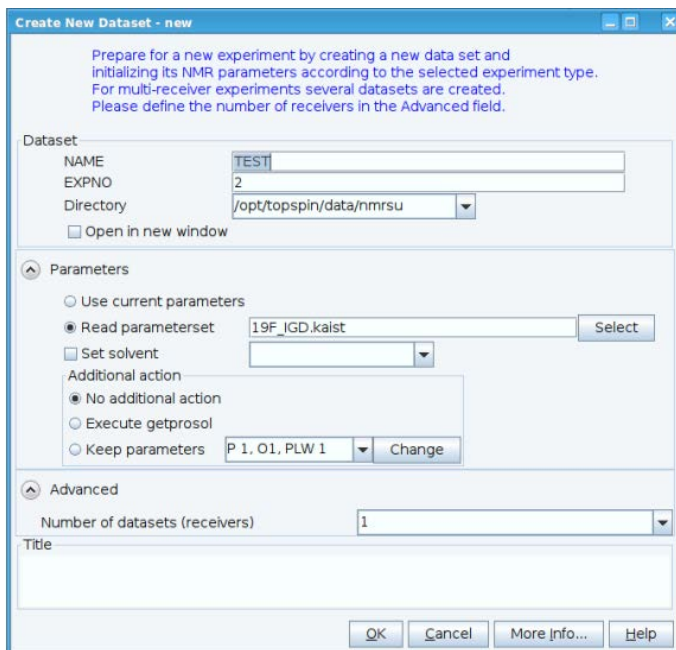


• Login

- Click 'Not listed?' to login
- Type account and password
- Double-Click "Topspin" icon on Desktop

• Create Dataset (Click "Start" tab)

- Click "Create Dataset" (edc or new)
- Modify "Name", "EXPNO"
- Parameters : Select experiment
 - "Use current parameters"
 - "Read parameterset ": Select experiment
 - proton.kaist :1H exp. Carbon.kaist : 13C exp
- Title : Comment



• Acquisition (Click "Acquire" tab)

- "Sample" : eject sample manually (ej) → put sample into bore → insert sample manually (ij)
- "Lock" : click proper solvent (lock)
- "Tune" : auto-adjust tune/match of nuclei (atma)
 - Can skip tune in case of 1H. Should click the others including 13C
- "Spin" : Do not Click (NMR tube can be broken)
- "Shim" : auto-adjust shim on Z(topshim). Type 'topshim tunebxyz tuneaz' on Z & XY
- "Prosol" : update proper parameters related to power (getprosol)
- Type parameter name and adjust manually (NS, D1, AQ, SW, O1P)
- "Gain" : auto-adjust receiver gain (rga)
- "Go" : Start acquisition(zg)
- Type below command to check spectrum during acquisition
 - tr : transfer FID from console to computer efp : view 1D spectrum
 - apk : auto phase correction absn : auto baseline correction
 - apbk auto correction both phase & baseline together by AI
- Type 'halt' to halt acquisition

• Logout

- Double-Click Sample icon (bsmsdisp)
- Click LOCK → "On-Off" / Green color is off
- Click SAMPLE → LIFT (ej) → take out sample → Click LIFT again (ij)
- Click "X" icon on right-top corner of software to close topspin (exit)
- Click "Desktop" icon on right-top corner → Leave → log out

