

**Procedure:**

**Book time and log in computer as usual**

**Take cap off from magnet first**

**Open Topspin 3.6.1**

**Ah1**

30 degree pulse angle for routine H-1

A. Under "Start",

1. create dataset: name; exp #; pro #; solvent; directory (D:\group name\user name\yrmo)
2. rpar Ah1

B. Under "Acquire",

3. eject sample (ej); wait for air flow (no air, no sample); load sample; insert sample (ij)
4. lock: select the right solvent
5. tune (atma)
6. no spinning
7. rsh shim.current; shim (topshim)
8. prosol (getprosol)
9. gain (rga)
10. check: ns, ds, d1
11. go (zg)

C. Under "Process",

12. efp;apk
13. adjust phase if necessary
14. calibrate spectrum
15. pick peaks
16. integrate
17. advanced if necessary

D. Under "Analyse"

18. eject sample (ej); take sample; ij to close air
19. close topspin
20. log off
21. **put cap back on magnet**

d1 is relaxation time in seconds

ds is dummy scans for warming up the spin system

ns is number of scans

Remark:

- lock and shim well
- tune probe
- no spinning
- no pulse cal in automation
- optimize offset (o1p) and SW (ppm) for advanced applications