

NMR spectrometer cheat sheet

<https://bnsp.ethz.ch/education/spectrometer-usage-and-principles-.html>

Linux commands

cd dirname	change to directory dirname
cd ..	move one directory up
ls	show directory content
ls -l	show directory content with details
mv fromfile tofile	move/rename fromfile to tofile
rm file	remove file
cp fromfile tofile	copy fromfile to tofile

Topspin commands

<i>Setup</i>	sx sample_nr, ej, ij	change to sample_nr, eject sample (sample lift on), inject sample (lift off)
	edte	start temperature controller
	atmm, atma	start tuning and matching manually or automated
	lock, lockdisp, loopadj	select solvent and lock spectrometer, show lock window, adjust lock parameters
	edc	copy data directory to new location
	topshim gui	start topshim user interface
	kill	kill process from list
	rpar	read parameter set
	HCN90	calibrate pulses: ^1H , ^{13}C , ^{15}N
	pulsecal	calibrate ^1H pulse
	rga	automatically adjust receiver gain
<i>Acquisition</i>	gs	start experiment in monitoring mode
	zg	start experiment (zero and go)
	halt	halt acquisition after next break-point and save data
<i>Processing</i>	stop	stop acquisition immediately
	tr	save transient to disk
	efp (em, ft, pk) qfp (qsin, ft, pk)	1D processing: exponential multiply, Fourier transform, phase correct 1D processing: squared qsin multiply, Fourier transform, phase correct
	xfb	2D processing of both dimensions
	apk, pk	automated phase correction, phase correct using stored parameters
	rser nr	read increment nr and save data to ~TEMP for processing
to2d	go back to last 2D experiment	