

## Some useful commands

Note – For full information on how to use these commands refer to the VNMR Command and Parameter Reference Manual

### Saving and Retrieving Data

svf	Save file
rtp <filename>	Read parameters from file
rts <filename>	Read shims from file
text	Enter text to save in header of file
load='y'	Set up to load shim values from file to machine

### Acquiring Data

su	Setup parameters to run experiment (good for setting shims and tuning)
acqi	Enter Lock/Shim mode if normal Acqi button is missing
go	Start acquisition
ga	Acquire spectrum and fourier transform when complete
np	Number of data points to collect
sw	Spectral width of data in acquired dimension
sw1/sw2	Spectral width in 2 <sup>nd</sup> and third dimensions
tof	Transmitter offset
nt	Number of scans for each spectrum/increment
ss	Number of steady state scans
d1	Relaxation delay (typical)
ni / ni2	Number of increments in the 2 <sup>nd</sup> and 3 <sup>rd</sup> dimensions
array	Set up an array for a single parameter
phase / phase2	Parameter used in 2 and 3D experiment to get phase sensitive experiments
gain	Set receiver gain to prevent ADC overflow
temp	set temperature
pfgon='nny'	turn on Z-axis gradients

### Processing Data

ft	Fourier Transform
fn / fn1	Fourier number for the acquired and indirection dimensions ( also fn2)
wti	Interactive adjust weighting function for FT
wft	apply weighting function and then FT data
fpmult	Factor to multiply first data point in F2 ( normally =1 )
fpmult1	Factor to multiply first data point in F1 ( normally =1 )
dc	Do DC offset corrections
cdc	Remove previous DC correction
cz	Clear defined regions for integration or baseline correction
bc	baseline correct spectrum
bc('f2')	Baseline correct F2 dimension
wft1da	Transform first dimension of 2D spectrum (not with Gradient Selection)
wft2da	Transform second dimension of 2D spectrum

### Displaying Data

ds	Display Spectrum
dssh	Display arrayed data set plotted horizontally
f	display full spectrum
full	use full width of screen to display spectrum
vs	Adjust vertical scale of plot
vs2d	Adjust vertical scale in a 2D spectrum

vp	Adjust y position of plot
rl(##.#p)	Set chemical shift in F2 dimension to given number in ppm
rl1(##.#p)	Set chemical shift in F1 dimension to given number in ppm
dscale	Display scale below spectrum
dpir	Display integrals below spectrum
dpcon	draw positive contours of 2D plot
dconi	draw contours in interactive mode
th	set threshold of lowest contour to draw
trace='f1'	switch 2D to display F1 dimension along x-axis of display
trace='f2'	switch 2D to display F2 dimension along x-axis of display

### Plotting

pl	Plot 1D spectrum
pscale	plot scale
pir	Plot integrals
pcon	Plot contours
page	Send plot to printer
page ('filename')	Plot to a postscript file

### Second Channel Parameters ( add a 2 or 3 after parameter for 3<sup>rd</sup> and 4<sup>th</sup> channel)

dn	Decoupler Nucleus
dfreq	Decoupler Frequency
dof	Decoupler Offset
dpwr	Decoupler Power
dm	Decoupler Mode (on or off during a status period)
dmm	Decoupler modulation mode ( e.g. cccw)
dmf	Decoupler Modulation frequency ( i.e. 1/90 deg pulse width at dpwr)
dres	Resolution of decoupler pattern waveform ( 1 for garp, 90 for waltz)

### Other

create	Create a missing parameter
destroy	Destroy an unwanted parameter
setlimit	Setlimits for a specified parameter
su acqproc	Stop acquisition daemon