List of Useful 1D VnmrJ Commands

1D Setup/Acquisition

aa – abort acquisition, more harsh than sa
go/ga/au – start acquisition, ga adds wft, au does wft and autoprocess
jexp – join another experiment, example: jexp(3)
man('command or macro name') – displays help for many commands and macros
movesw – change the sw to cover the region between the 2 cursors
movetof – move tof (center of spectrum) to the vertical cursor location
mp – copy parameters to another experiment, example: mp(1,2)
rts('/export/home/vnmr1/vnmrsys/shims/stdshim') – retrieve the standard shim set
sa – stop acquisition, less harsh than aa
su – send current parameters to the spectrometer
time – tells you how long the experiment will take

1D Processing

abc – auto baseline correction
aph – autophase
cdc – cancels the baseline drift correction offset (dc to turn it on)
dc – turn on baseline drift correction offset (cdc to turn it off)
ft – Fourier transform without window function
gaussian – automatically set up Gaussian window function
lpbc(n+1) – back predict first n data points of FID, default n=63
process – runs the autoprocess macro to autophase, reference, baseline correct, etc.
rt('filename') – load saved data into current experiment
svf('filename') – save your data
wft – Fourier transform with window function
wtia – bring up interactive window to display and set window function

1D Display

ai – change to absolute intensity display, alternate is nm
av – display in absolute value mode, toggle with ph
cz – clears all integral reset points
df – display 1D raw data (FID)
dg – display standard parameters
dg1 – display plotting and display parameters
dli – list integral regions in the parameter window
dll – list lines in the parameter window above threshold set by th
dpf – display peak frequencies over spectrum for peaks above threshold th
ds – display and refresh 1D spectrum
dscale – display scale if not shown

dssh – display 1D arrays side by side
dssl – display array index, dssl('value') displays array values
dtext – display text string in graphics window
f – expand data (spectrum and raw) to maximum size
full – expand display to full display and plotting sizes
nl – put the cursor on nearest line
nm – change to normalized intensity display, alternate is ai
ph – display in phase sensitive mode (what you usually want), toggle with av
r1 – recall display parameter set saved with s1, r1-r9 can be used
rl(shift) – set reference line on the cursor location, example: rl(7.26p)
s1 – save display parameters, s1-s9 can be used, recall with r1
text('string') – enter text saved with data, example: text('sample aa2345-6')
th – parameter to set threshold for line list
vsadj – adjust the vertical scale so that largest peak shown fits on screen
z – manual method to set integral reset points

1D Plotting

page – send to plotter, example: pl pscale ppa pir ppf page
pap – plot long list of parameters (ppa is short list)
pir – plot integral region amplitudes under the regions
pl – plot spectrum, will need to be followed by page or iupage command
pll – plot peak list in a column for peaks higher than th value
plotter – parameter, to set to the common plotter use: plotter='sun2lj' full
pltext – plot text string, use text('string') to create
ppa – plot short list of parameters (pap is long list)
ppf – plot peak frequencies over peaks for peaks higher than th value

Other

iuexit – exit VnmrJ and logout

1D Experiment Setup (Case Sensitive)

PROTON
CARBON
FLUORINE
PHOSPHORUS

APT
DEPT