List of Useful 1D VNMR Commands
IU NMR Facility – December 16, 2004

This preliminary list includes useful VNMR commands, macros and IU specific macros. It does not include most parameters. Help on most of these commands can be obtained with man('command'), example: man('pir').

1D Setup/Acquisition

aa – abort acquisition, more harsh than sa
acqi – bring up the interactive Lock/Shim window if it’s not already there
acqstat – bring up the Acquisition Status window if it’s not already there
cancel – there is not a VNMR cancel command, use the Cancel button on the menu
go/ga/au – start acquisition and do a wft at the end
jexp – join another experiment, example: jexp(3)
man('command or macro name') – displays help for many commands and macros
movews – 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
setup('nucleus') – fully reset standard parameters, use caps, example: setup('H1')
su – send current parameters to the spectrometer
temp – bring up the temperature control window
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
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

dl – list integral regions in the parameter window

dl1 – 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

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’) – 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

iupage – alternate to page command, see man(‘iupage’)

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

pl1 – 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