

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
`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`
`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`
 `– 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
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
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