Shimming

a) Manually Shimming

Type “rts LOAD_ME” to retrieve generic shim file that will get one close.
Always shim on proton. Set at=0.5s and d1=0.0s. Acquire spectrum, expand on multiplet if possible and type gf (pentane generates nice triplet). Go to Acquisition window, tab ‘fid’, ‘spectrum’ and maximize this window. Adjust z1 for peak intensity, z2 for upper symmetry, z4 for trunk symmetry and z3 to correct leaning of the peak at upper level. Also ajust x0 and y0 in order to maximize intensity.
If shim is totally messed up retrive “LOAD_ME” shim file and start over.

b) Autoshimming with lock

Lock onto solvent first and then select appropriate shimmap: gmapsys, shimmaps, shimmapfiles, Cd to systemdir (Cd to userdir), LOAD_ME.fid, load shimmap and params, return, quit.
Main Menu, Setup, Shim, Gradient Autoshim on Z. make sure rms error goes below 1.