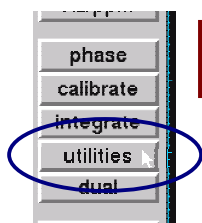


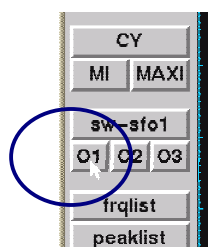
Presaturation of Water peak XWINNMR vers. 3.1 (SGI O2)

Depending upon %H₂O in D₂O & pH & buffers, you may need to make large changes in Tune & Match while “Wobb” the probe.

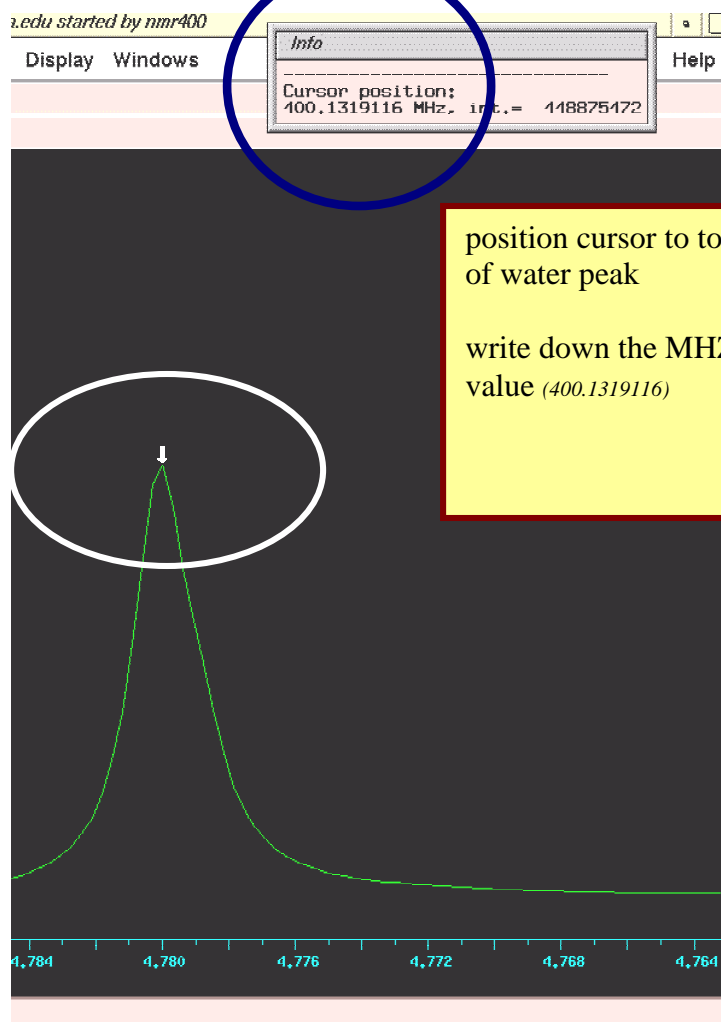
Acquire normal ¹H spectra & calibrate the reference peak.



click **utilities** “button”



click **O1** “button”



position cursor to top
of water peak

write down the MHZ
value (400.1319116)

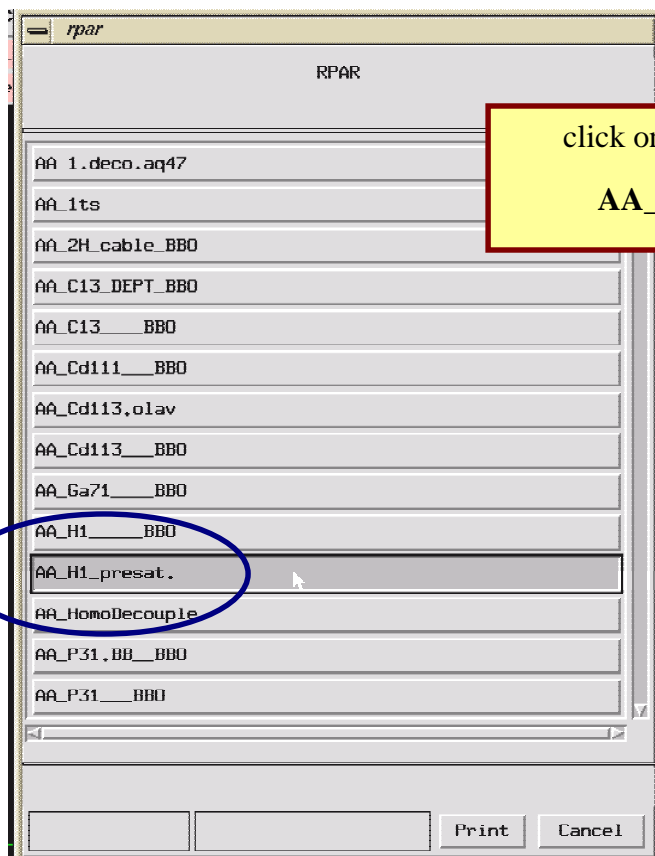
▶ **rg**

write down the value from "rga"

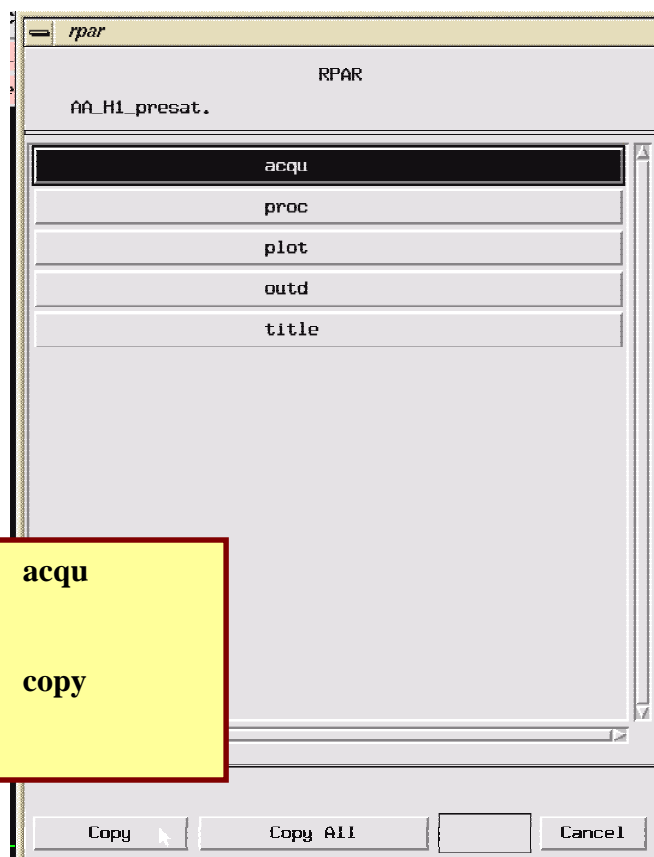
File.....
.....New....

create EXPNO 2

▶ **rpar**



click on parameter set
AA_H1_presat.



click on: **acqu**

click on: **copy**

▶ **ased**

enter in SFO1 value (i.e. 400.1319116) {scroll to bottom of displayed window}

enter in RG value

NS = 1

DS = 4

Presaturation time = 6s

▶ **zg**

look at FID intensity, process & look at suppression

What does the suppression look like?
Does it need more or less suppression?

The more power used, then the wider the band of
presaturation, which may affect nearby peaks.

in D2O 72dB

in 90:10 H2O/D2O maybe needs 55 dB

▶ **ns**

▶ **zg**