



Check if previous acquisition is finished. Halt & Save if Note from previous user.

Sign into logbook


LOCK buttons to OFF


SPIN -- black toggle valve → out position 

Remove bore cap on magnet

LIFT knob -- turn counter-clockwise to raise sample 

Change sample

LIFT knob -- turn slowly clockwise to slowly lower sample into magnet 

SPIN -- black toggle valve to “down” position 

Return bore cap

Check standard shim settings

Adjust FIELD (H_0) *fine* or *coarse*

Adjust LOCK Amplitude (lock gain)

2 LOCK buttons (wait for Lock signal to go to top of display)

Adjust LOCK POWER & LOCK Ampl. (lock gain)

Adjust *fine* **Z** SHIM

Adjust *fine* **Z2** SHIM

Adjust *fine* **Z** SHIM (iterate between Z & Z2 until no further improvement)

RJ *filename.ZZN* (i.e. RJ H1CHLORO.ZZN)

PJ return return

II

RGA

NS optional, only if you want more than 16 scans (multiple of 8)

ZG (CNTRL **H** to halt long acquisition)

WR *filename.001*

To Acquire a ^{13}C Spectra:

2 (Go to Job #2)

RJ *filename.ZZN* (ie. C13BBCHL.ZZN)

PJ return return

II (Note: RGA is not needed for ^{13}C)
wait 30 seconds for complete Spectrometer switching

CNTRL X

NS = 400 or **-1** (Halt Acquisition with **CTRL-H**)
if you want to check on the Acquisition, you can use the
‘TR’ command to Transfer current data to Job #3 to
process & look at data while Acquisition continues in
Job #2 (**TR** return **3**, **LB** = **1.5**, **EF**, **EP**)

NMRNET

Go to PC computer

G

return

G *filename.001*

G *filename.002*

WR *filename.002*

1 (Go to Job #1)

II

wait 30 seconds for complete Spectrometer switching

E return

Wait for computer to copy files to Zip Drive

Go back to Spectrometer keyboard

CNTRL X

Change sample & put in D2O/DSS sample

LOCK

RJ a ^1H job file if the last nucleus you acquired was ^{19}F , ^{31}P , or ^{13}C , then do an **II**

Sign out of the Logbook

^1H Acquisition on the WM-360

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