

start ^{13}C Acquisition *after* ^1H in TopSpin

re 2

read in ^{13}C file created at beginning

ns

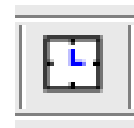
Depending upon concentration

200 = 9 minutes
400 = 16 minutes
800 = 30 minutes
1800 = 1 hour
4000 = 2.2 hours
10000 = 5.5 hours
18000 = 10.0 hours

Each scan is 2 seconds.

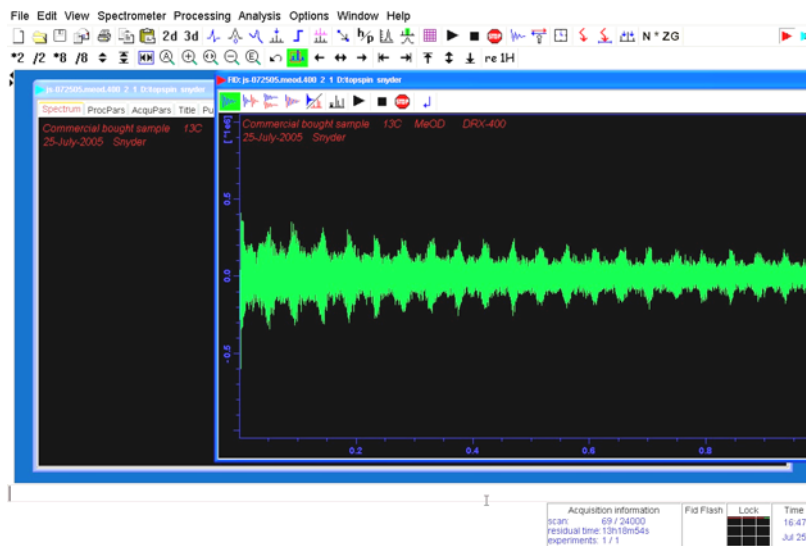
expt

calculates total experiment time.



Calculate total experiment time [expt]

zg



^{13}C Acquisition Continued.....

OPTIONAL
Commands
During ^{13}C
Acquisition.

tr
(Optional)

The "tr" command, transfers the data from the internal console memory to the PC so that the Software can access the data while the Acquisition continues to collect additional scans.

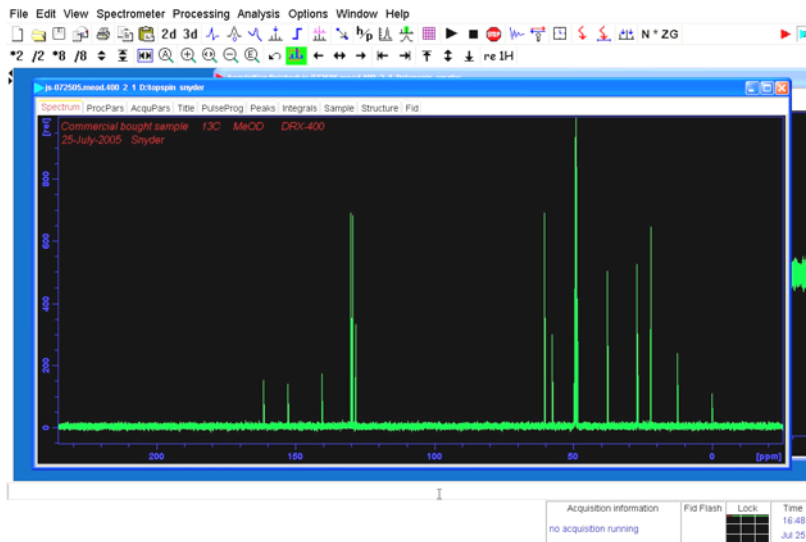
efp
(Optional)

If the Signal-to-Noise is good where you can see all your carbon peaks.....
you may "halt" the acquisition or let it **continue** to finish collecting **ns** scans

halt
(Optional)

efp

Phase as needed, calibrate reference peak, etc



^{13}C DEPT-135 Acquisition Continued.....

File....
...new

or...

Cntrl + N

Prepare for a new experiment by creating a new data set and initializing its NMR parameters according to the selected experiment type.

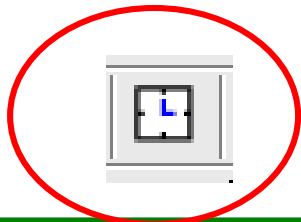
NAME	js-072505.meod.400
EXPNO	3
PROCNO	1
DIR	D:\topspin
USER	snyder
Solvent	MeOD
Experiment	AA_13C_DEPT135
TITLE	Commercial bought sample DEPT-25-July-2005 Snyder

AA_13C_DEPT135
Use current params.
AA_1H
AA_13C_DEPT135
AA_1H_BBO
AL27ND
B11ZG
C13ADT

OK Cancel

EXPNO = 3

ns



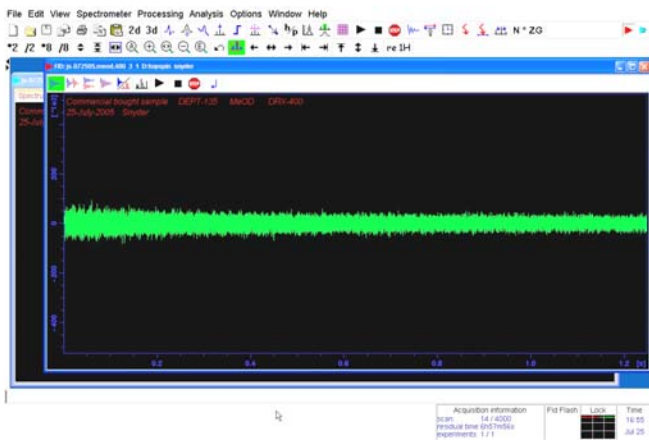
Calculate total experiment time [expt]

Each scan is 5.6 seconds.

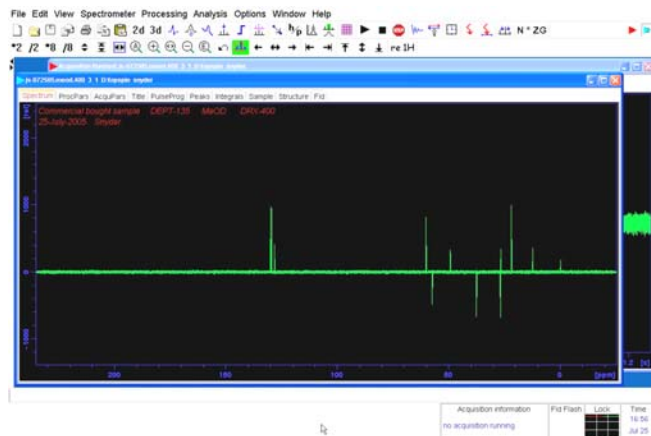
DEPT-135 setup ns such that total acquisition time is 1/2 time needed for the carbon spectra.

If you ran the carbon spectra for 2 hours, then set up the DEPT-135 to run for 1 hour.

zg



efp




^{13}C & DEPT-135 run sequentially at setup time

OPTIONAL way to Acquire the ^{13}C and DEPT-135 experiments
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Create expno 2	^{13}C parameters	set ns	check acquisition time
Create expno 3	DEPT-135 parameters	set ns	check acquisition time

Display expno 2

Click on  button

Enter in **2** for number of experiments to run.

Automation program will start on the current expno. [2]

.....When 'ns' scans are completed, or 'halt' command is given,

.....TopSpin will then read in the next incremented expno [3]

.....and start (zg) the next acquisition.

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