

Water suppression

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Water suppression

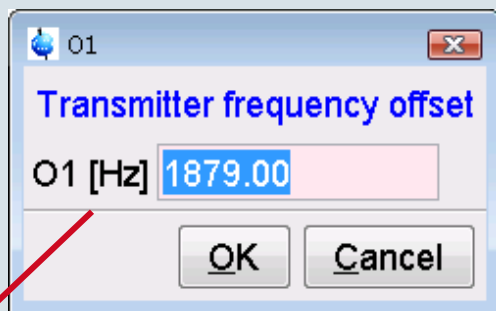
- zg30 and measure a spectrum
- Set O1 on resonance on the water signal and measure again
- Now O1 will be optimized with the following routine:

Water suppression

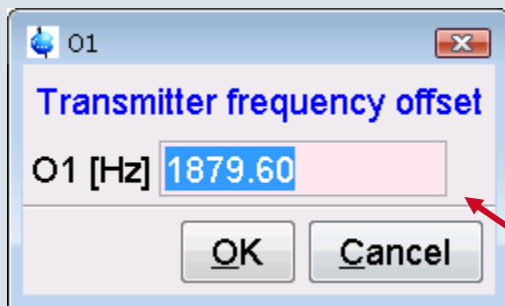
- zgpr
- NS=1
- DS=0
- D1=4 sec
- DIGMOD=baseopt
- On resonance on the water signal
- ZG, FT
- Phase only the signals at the right side of the water signal without touching the water itself



Water suppression



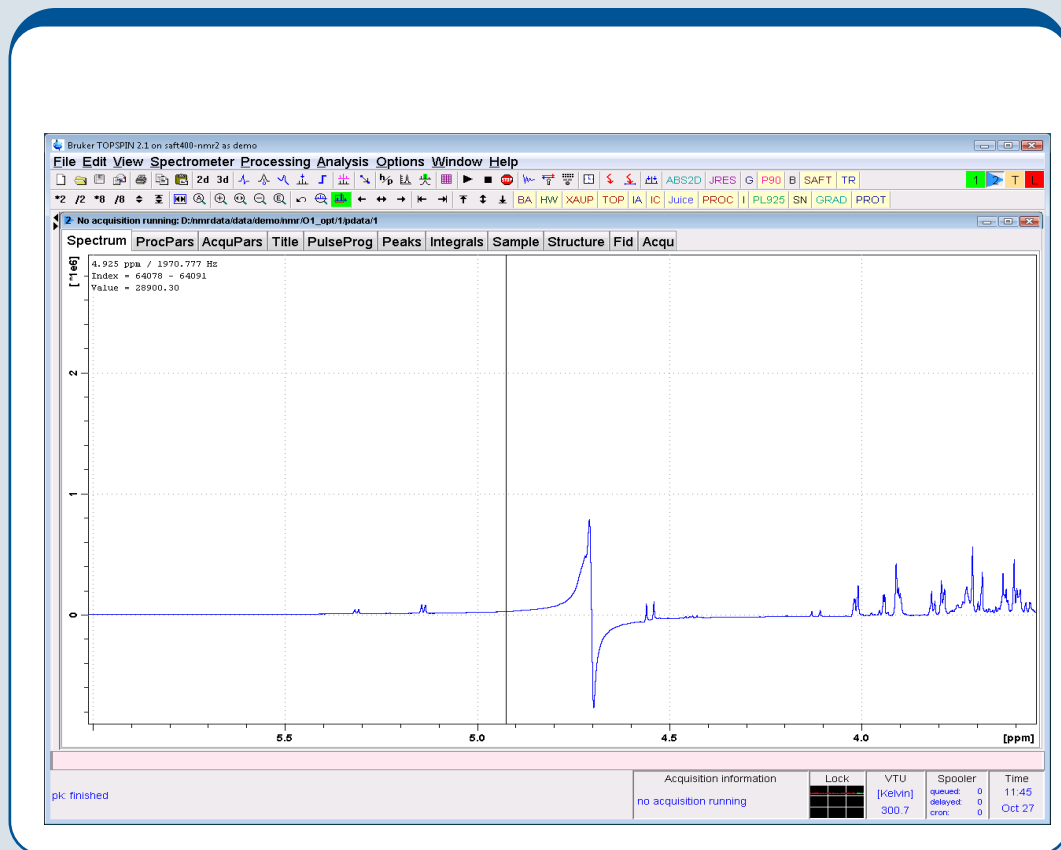
current O1



O1 changed (Hz)

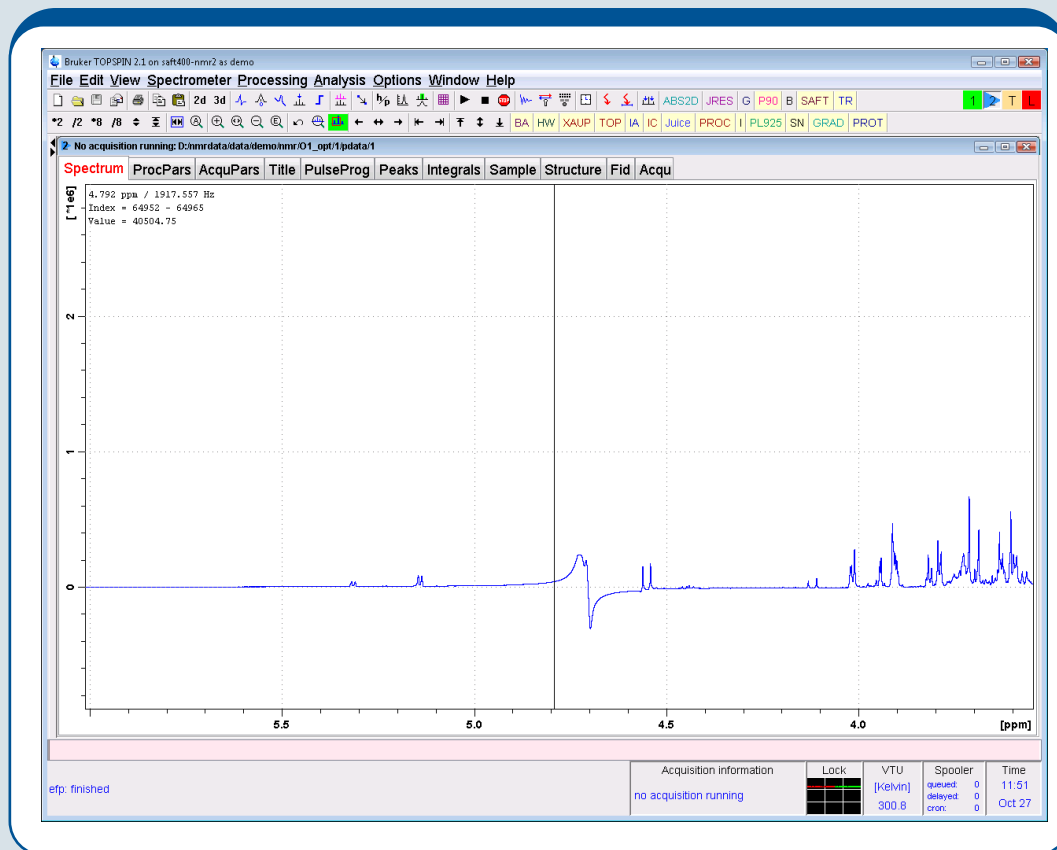
Water suppression

- FP
- O1 still not okay, change
- to higher values



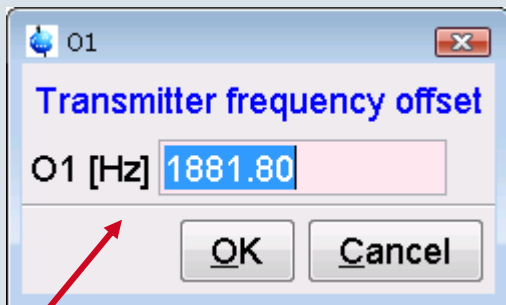
Water suppression

- O1 better but still not good enough

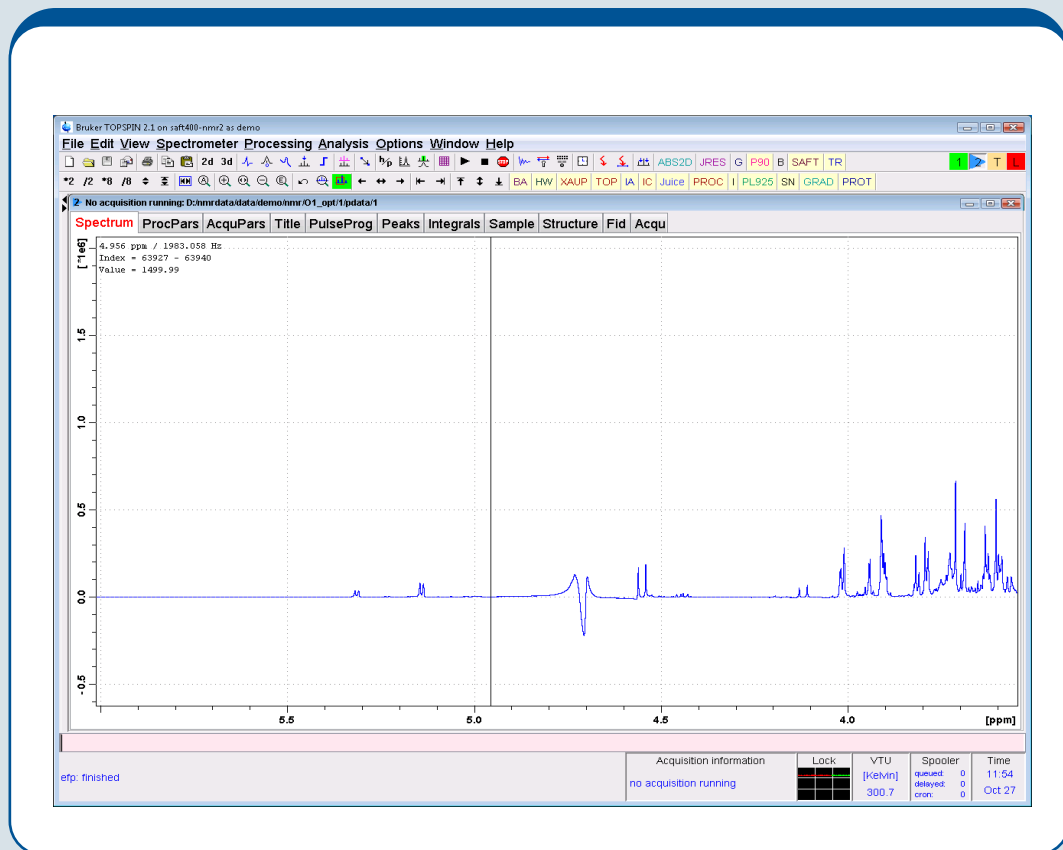


Water suppression

- O1 now on resonance

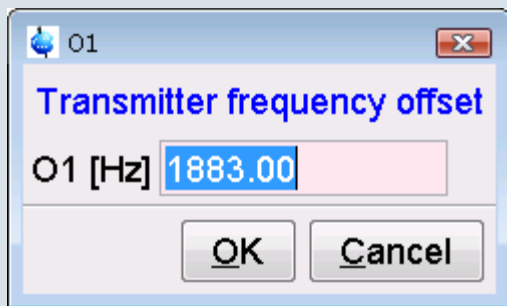


O1 correct



Water suppression

- O1 too large.
- In that case you have to change O1 to smaller values.

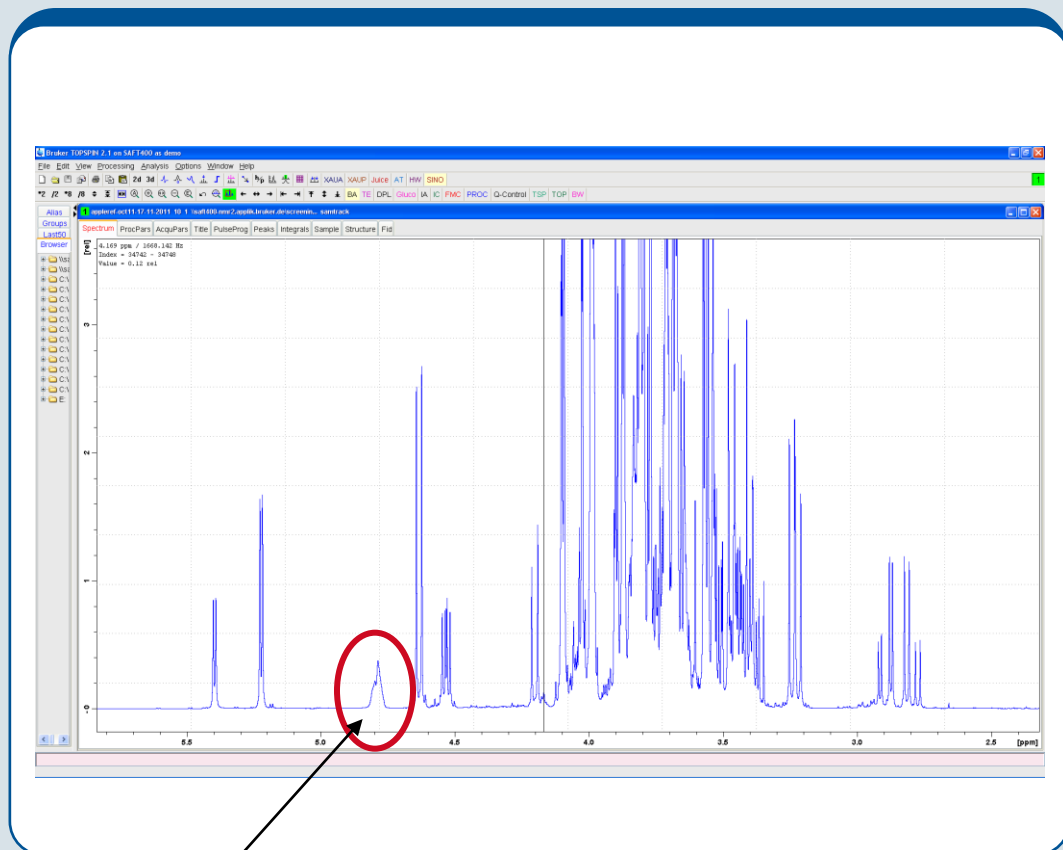


Water suppression

- After the O1-optimization:
- $NS = 4 * n$
- $DS = 4$
- `Digmod = baseopt`
- `Pulprog = noesygppr1d`

Water suppression

- Important for the processing:
- The values for PHC1 have to be 0!
- After the measurement type only: apk0.noe and the processing will be done automatically



water