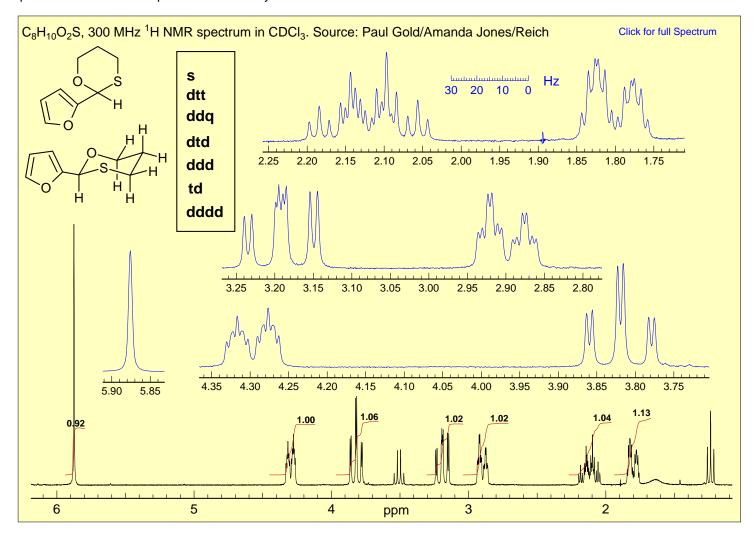
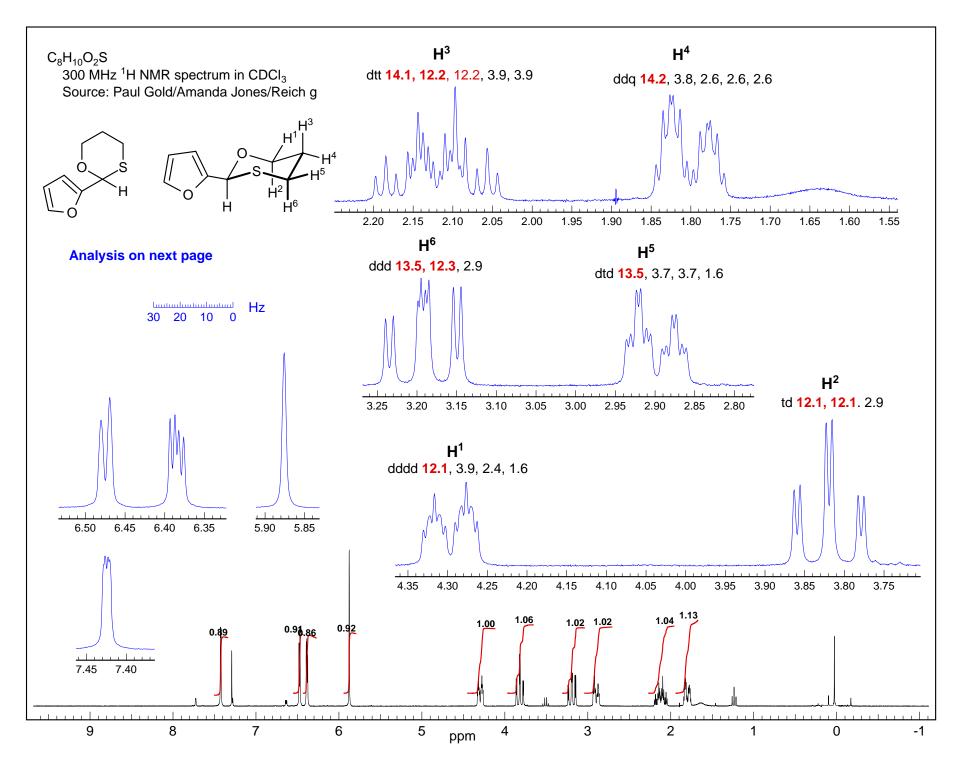


Exercise: Assign the seven protons indicated and determine all coupling constants in the spectrum of the furyl-substituted oxathiane ring. All multiplets are basically first order, except for a little leaning. The multiplets present are listed to help out with the analysis.





C₈H₁₀O₂S 300 MHz ¹H NMR spectrum in CDCl₃ Source: Paul Gold/Amanda Jones/Reich

There is no symmetry here, so the higher multiples identified (t, q) are only apparent triplets or apparent quartetes. The two or three couplings are certainly slightly different.

