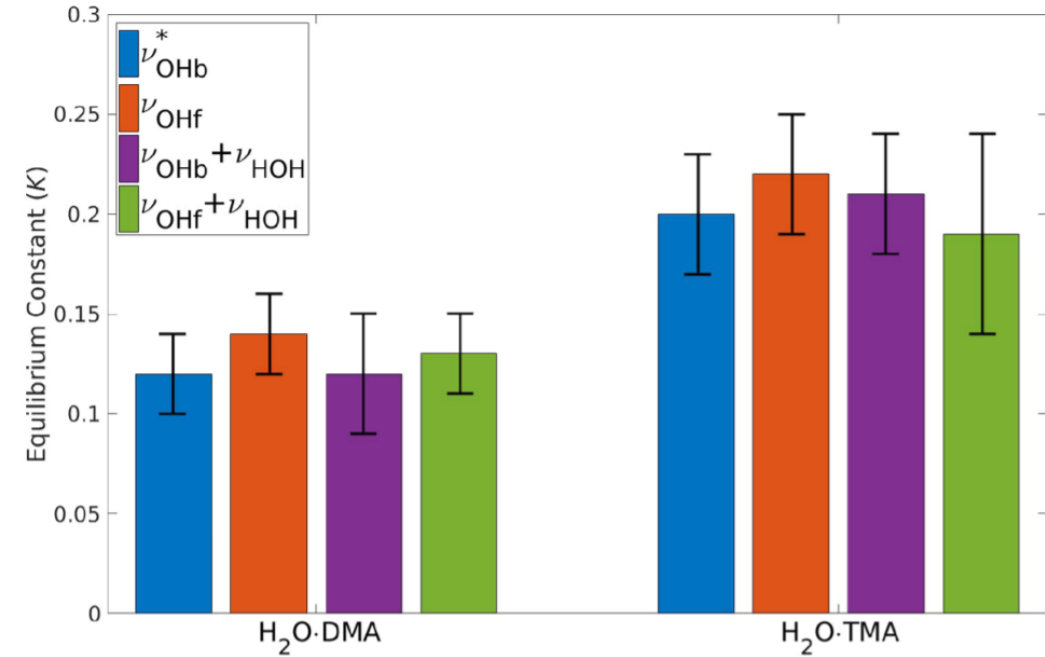
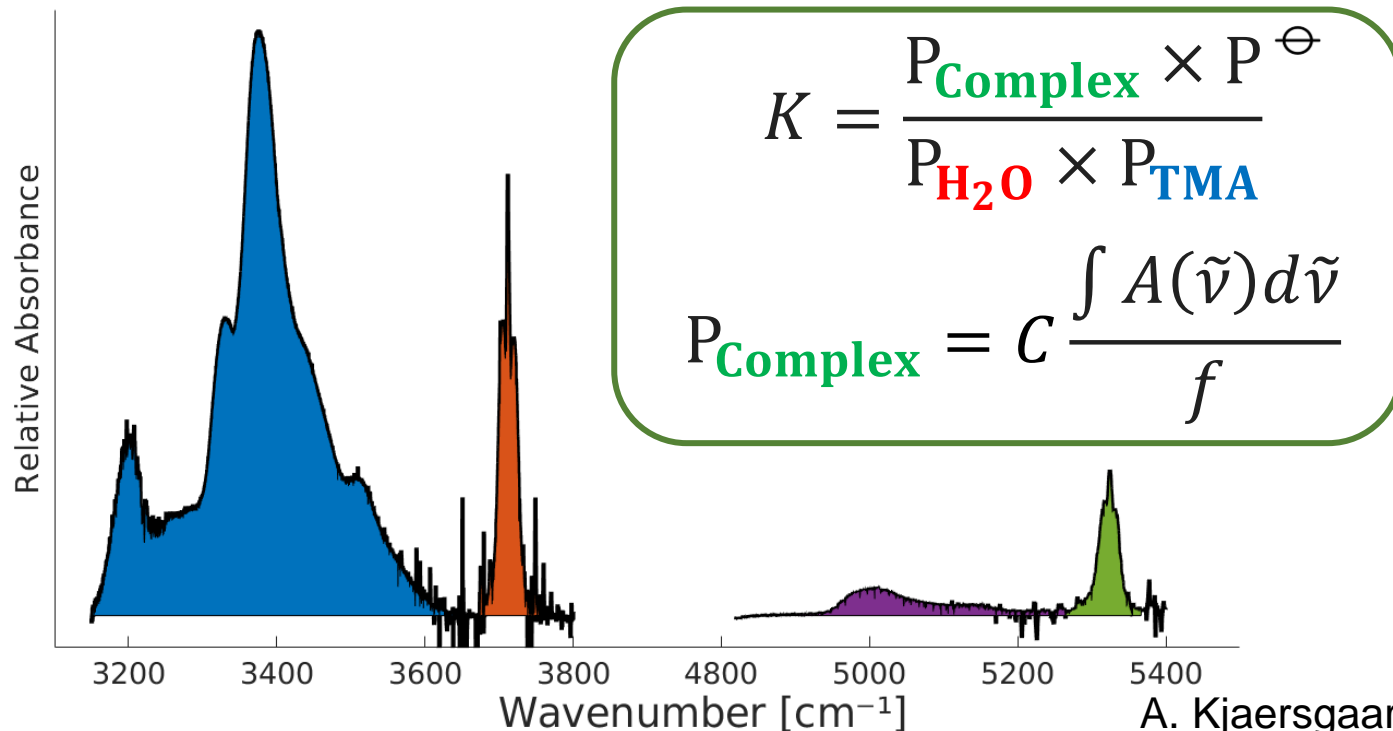


P4818: Room Temperature Gas-Phase Gibbs Energies of Water Amine Complexes

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- Detected and assigned five bands of two hydrated complexes
- Developed a reduced dimensional (6D) local mode model
- Accurate equilibrium constants of complex formation from combining theory (f) and experiments ($\int A(\tilde{\nu})d\tilde{\nu}$)
- Important values to understand the role of water in new particle formation from water, amines, and sulfuric acid clusters



$$K = 0.13 \pm 0.01$$

$$K = 0.21 \pm 0.02$$

