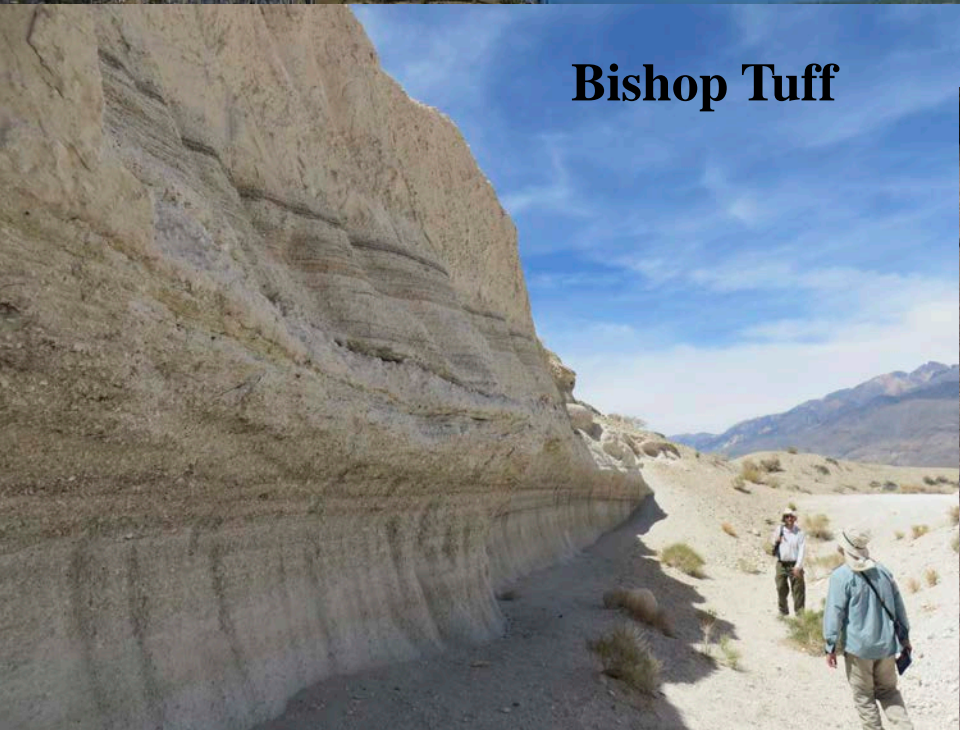
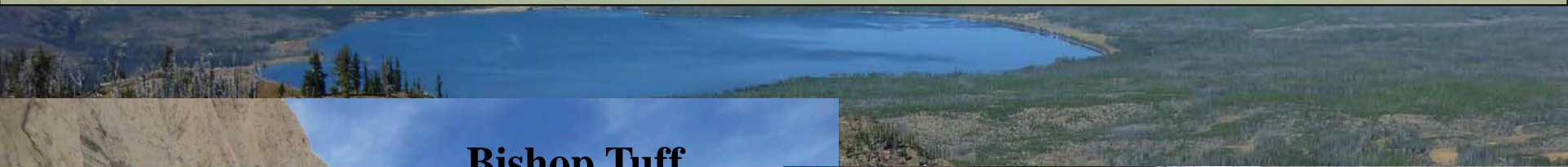
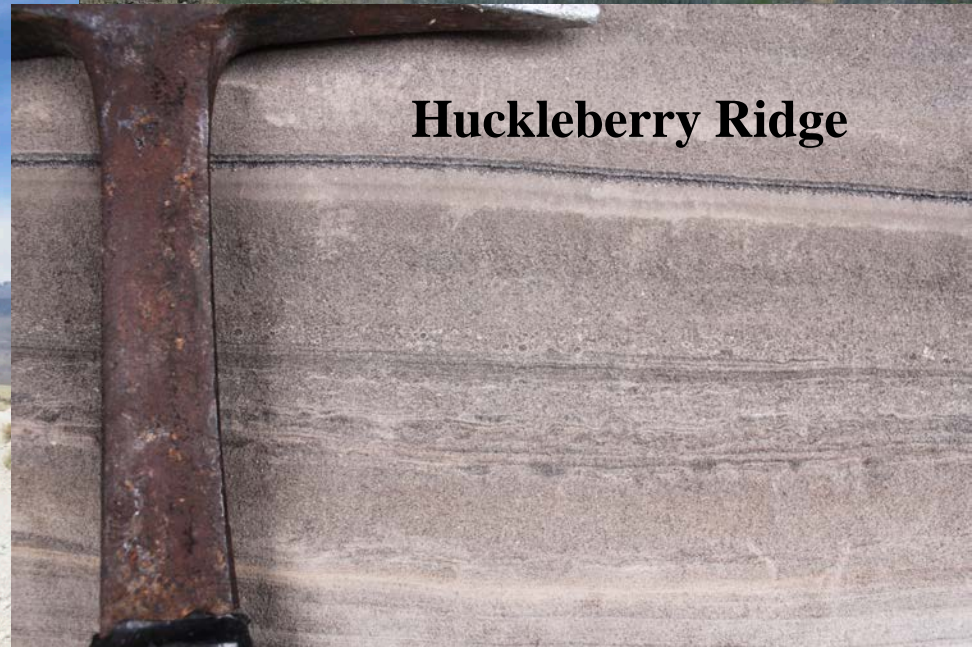


# Timescales associated with the initiation of large caldera-forming eruptions

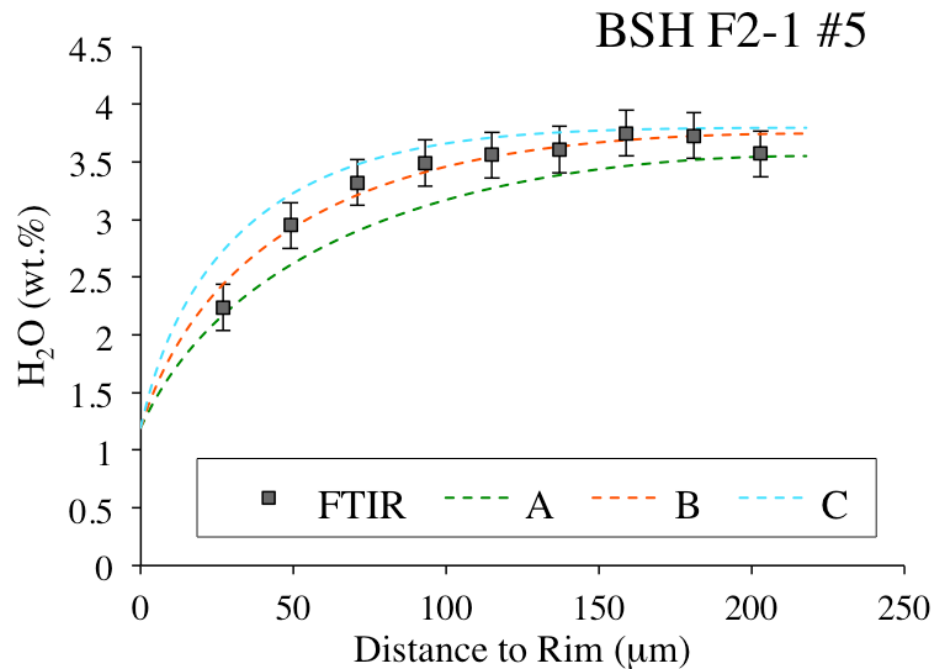
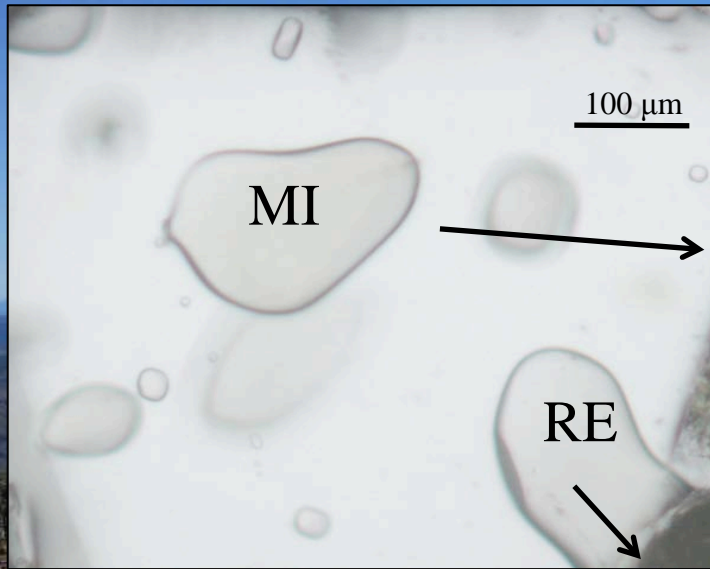
- What can differences inferred from initial fall deposits tell us about the depressurization history leading to eruption?



**Bishop Tuff**



**Huckleberry Ridge**



- H<sub>2</sub>O and CO<sub>2</sub> gradients formed in REs during ascent; hour timescales
- H diffusion on timescales ~ days

