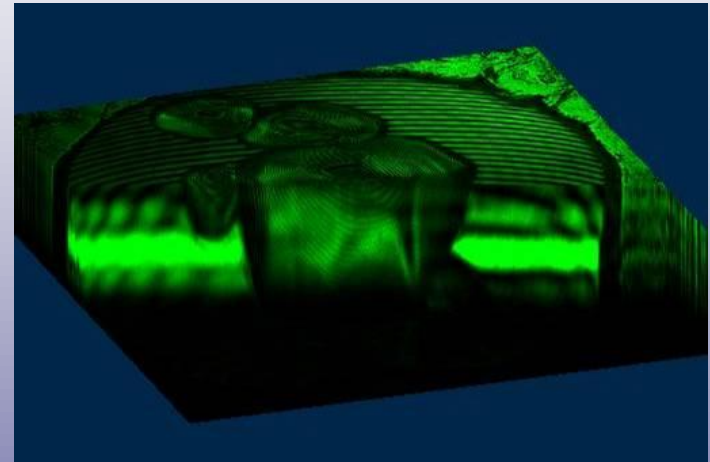
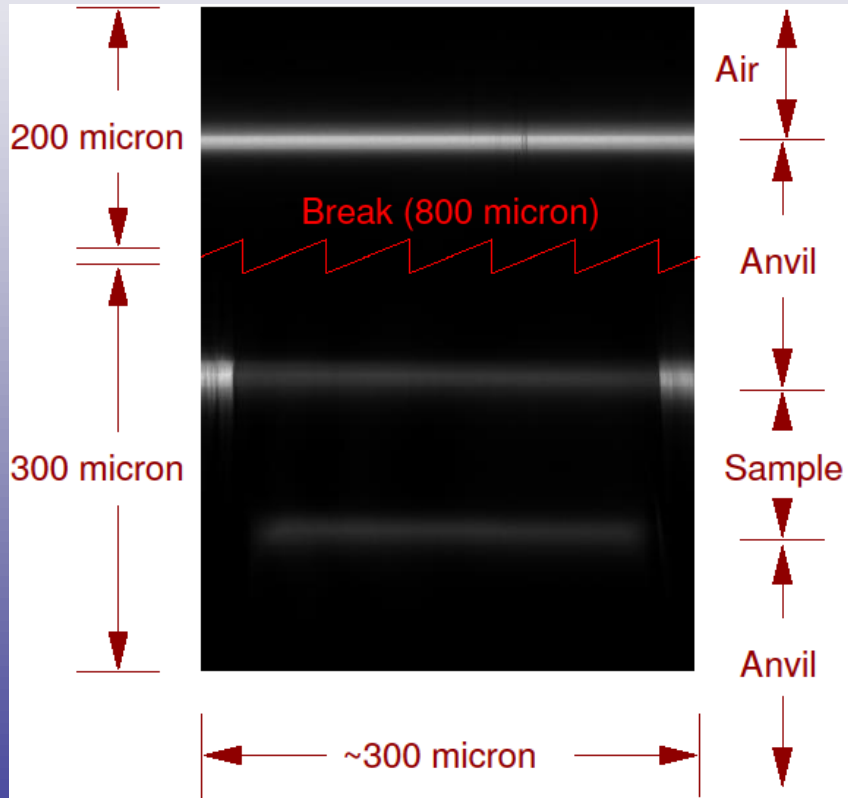


Confocal microscopy of fluids under pressure

Matthew D. McCluskey, Washington State University

- We use confocal microscopy to obtain 3D images of fluids under pressure
- These images will enable us to determine the response of fluids, polymers, and noncrystalline solids to extreme conditions of pressure



Above: Reconstructed image of pressure-induced freezing of water at room temperature

Left: Reconstructed image of a high-pressure diamond anvil cell. Bright lines correspond to air/anvil and anvil/sample interfaces.