



MicroXCT: High Resolution CT imaging of Reservoir Rock

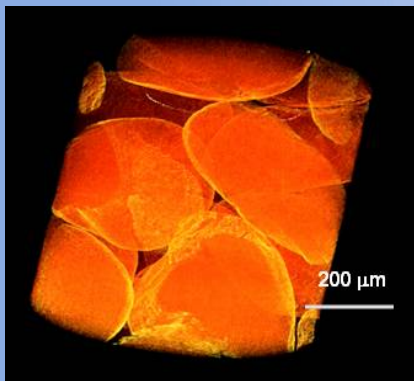
Capabilities:

- Non invasive 3D imaging to $<1 \mu\text{m}$ pixel resolution of rock cuttings for sandstone, carbonates to tar sand.
- High contrast imaging for cracks, pores and grain contacts

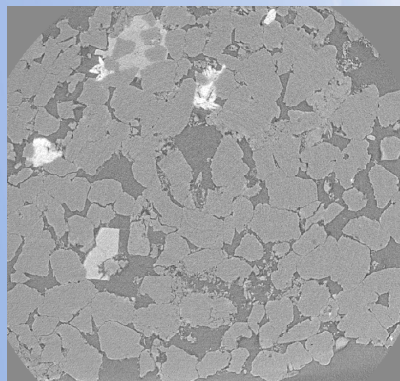
Benefits:

- Sharp and high resolution CT images for accurate porosity, permeability and contact modulus modeling
- Configuration available for in situ Triflow studies or compression experiments

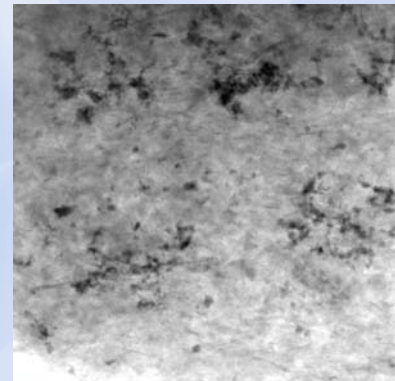
Applications Examples:



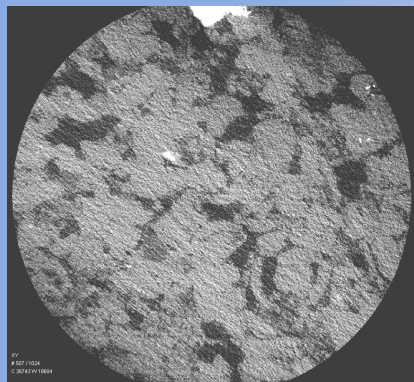
3D image of sand pack within tube for flow studies @ $0.7 \mu\text{m}$ resolution



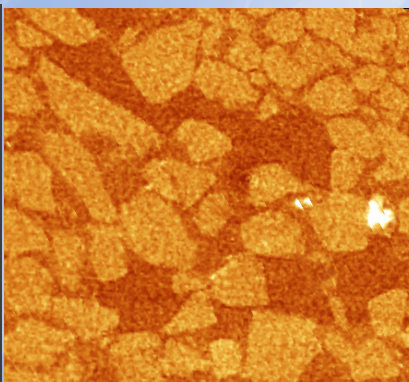
CT slice of sandstone @ $1.5 \mu\text{m}$ resolution



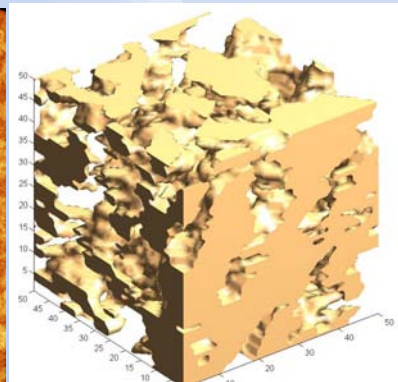
CT slice of silted sandstone @ $0.7 \mu\text{m}$ resolution



CT slice of silted carbonate @ $0.7 \mu\text{m}$ resolution



CT slice of tar sand @ $0.7 \mu\text{m}$ resolution



3D Modeling of porosity and permeability from CT data

