**University of Texas High-Resolution X-ray CT Facility Archive**

**Ketcham:**

**C-16-C4**: Scan of a carbonado after acid treatment (C-16-C) for Rich Ketcham and Scott Eckley of UT DOGS. Specimen scanned by Jessie Maisano 20 August 2018. Sample scanned after leached in conc. HF and conc. HNO3 for 7 days.

scan parameters: Xradia. LFOV objective, 80kV, 10W, 4s acquisition time, detector 138.4 mm, source -37 mm, XYZ [1800, 2500, 1300], camera bin 2, angles ±180, 1261 views, 0.35 mm SiO2 filter, dithering. End reference (90 frames, 2s each). Reconstructed with center shift 1.2, beam hardening 0.12, theta 0, byte scaling [-30, 1300], binning 1, recon filter smooth (kernel size = 0.5). Total slices = 586.

**C-16-C4.rcp**: Xradia recipe with scan parameters.

**16bit:** 16bit TIFF images reconstructed by Xradia Reconstructor. Voxels are 14.36 microns.

**8bitjpg:** 8bit jpg version of the reconstructed images.