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

# Eckley:

# 1-3D: Scan of a carbonado for Scott Eckley and Rich Ketcham of the University of Texas at Austin. Specimen scanned by Rich Ketcham 10 September 2018. Sample scanned after it was leached in aqua regia for 7 days.

scan parameters: Xradia. LFOV objective, 80kV, 10W, 2.5s acquisition time, detector 138.4 mm, source -37 mm, XYZ [500, 27500, 200], camera bin 2, angles ±180, 1261 views, no filter, dithering, no sample drift correction. End reference (45 frames, 2.5s each). Reconstructed with center shift 1.5, beam hardening 0.1, theta 0, byte scaling [-20, 1700], binning 1, recon filter smooth (kernel size = 0.5). Total slices = 813.

**1-3D.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.