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

# Eckley:

# 1-3A: Scan of a carbonado for Scott Eckley and Rich Ketcham of the University of Texas at Austin. Specimen scanned by Jessie Maisano 24 October 2017.

scan parameters: Xradia. LFOV objective, 80kV, 10W, 2.5s acquisition time, detector 138.4 mm, source -37 mm, XYZ [401, 19166, 19], camera bin 2, angles ±180, 1261 views, no filter, dithering, no sample drift correction. End reference (45 frames, 3s each). Reconstructed with center shift 0.5, beam hardening 0.1, theta 0, byte scaling [-20, 1700], binning 1, recon filter smooth (kernel size = 0.5). Total slices = 815.

**1-3A.rcp**: Xradia recipe with scan parameters.

**16bit:** 16bit TIFF images reconstructed by Xradia Reconstructor. Voxels are 14.35 microns.

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