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

# Lyson:

# Carsioptychus\_EPV\_95283: Scan of the skull of *Carsioptychus coarctatus* (EPV.95283; Paleocene) for Tyler Lyson of the Denver Museum of Nature and Science. Specimen scanned by Matthew Colbert on 2 January 2020.

# 16bitTIFF: Scan parameters: NSI scanner. Fein Focus High Power source, 140 kV, 0.13 mA, aluminum filter, Perkin Elmer detector, 0.25 pF gain, 2 fps, 1x1 binning, no flip, source to object 175 mm, source to detector 865 mm, helical non-continuous CT scan, vertical extent 230.5 mm, pitch 57.625 mm, 4 revolutions, 2 sets, 2 frames averaged, 0 skip frames, 12000 projections, 5 gain calibrations, 15 mm calibration phantom, data range [-8, 80] (grayscale adjusted from NSI defaults), beam-hardening correction = 0.475. Voxel size = 59.6 μm. Total slices = 2835.

# 8bitJPG: 8bit jpg version of the above images.

# Specimen Photos: jpg photos of the specimen.