

About files under <https://web.corral.tacc.utexas.edu/3DEM/3dem-1008/rawImages/>

This directory contains 72 serial tSEM images (8-bit tiff; 24576 pixels per side; 576.1 MB each) acquired from the hippocampal area CA1 (*stratum radiatum*). The CA1 tissue was collected from an acute slice prepared from a mouse injected with rAAV to express ChR2-GFP and mAPEX2. How this image dataset was acquired is described in the manuscript entitled: "Ultrastructure of light-activated axons following optogenetic stimulation to produce L-LTP".

The last three digits of the image file name indicate section number.

These are the original images that were later aligned using FIJI/TrakEM2 to generate 3DEM dataset for analysis (contained in VYLNH_20181017.zip).

In addition to the serial tSEM images, the directory contains an image of calibration grid (Tile_r1-c1_GC160316Slice3-6_cal.tif), which was used to calibrate pixel size.