

# DEL-GT01 Macro CT Scroll Through

For use with ImageJ

- Download ImageJ and install (<https://imagej.nih.gov/ij/download.html>)
- Useful for quick-look of core sections
- Scroll through core in 3D
- View corresponding XY, XZ, YZ sections simultaneously
- TIF files reduced in size (~185MB for 1 m section)

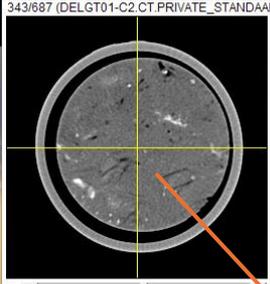
# TIF Files

- Density range:
  - or adjusted brightness/contrast range
  - normal: 1000-2500, adjusted: image specific
- Size:
  - reduced from 512x512 to 256x256 pixels in XY frame
  - reduced file size from ~700 to ~ 185 MB
- Naming: DELGT01-C#-#\_norm
  - # corresponding to core # and section # respectively
  - *norm* or *adj* indicating normal or adjusted density range

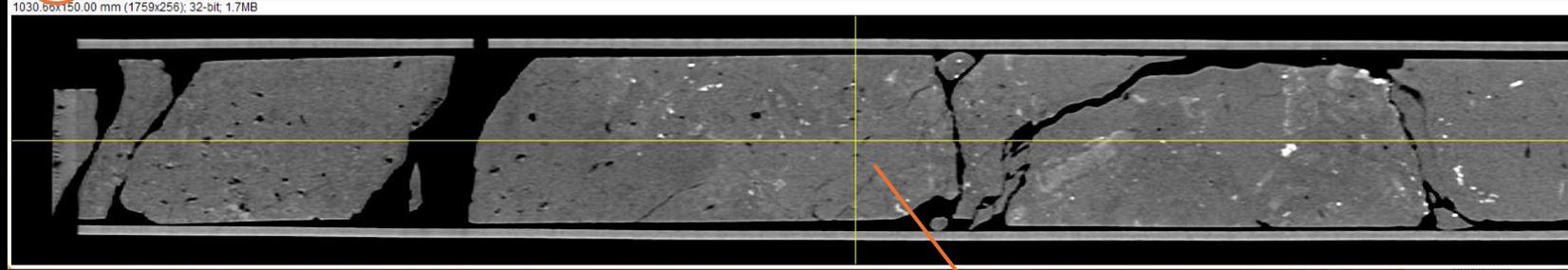
# View Scroll Through

- Open TIF file:
  - File > Open > browse to folder, select file > Open
  - this displays XY section
- Display other sections:
  - Image > Stacks > Orthogonal Views *or* hit Ctrl+Shift+H
  - default view is centered in the core
- Crosshairs:
  - yellow crosshairs indicate picked location
  - point-click or click-drag to scroll through core
  - clicking in one section window shifts other sections correspondingly
- Close:
  - Ctrl+Shift+H closes XZ YZ, clicking [x]-button on XY closes all

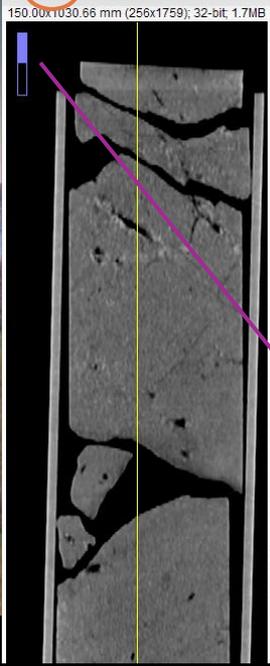
DELGT01-C2-3\_n...



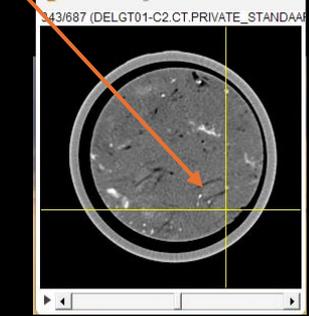
YZ 128



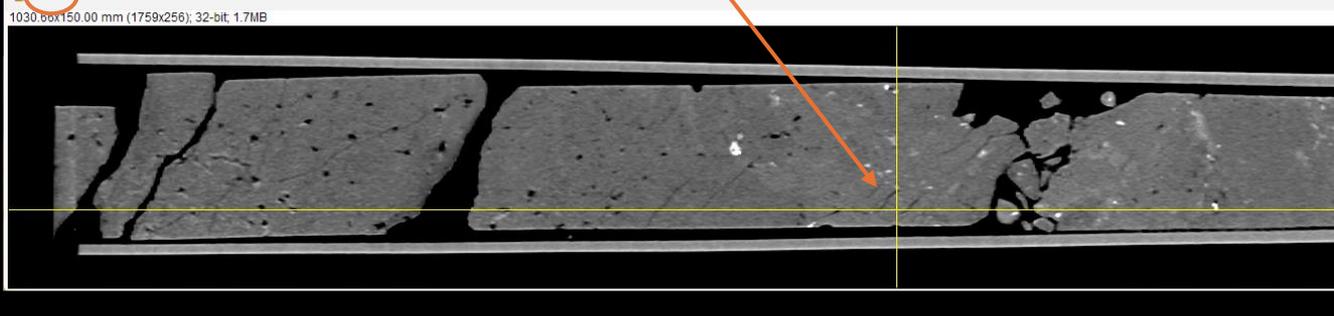
XZ 128



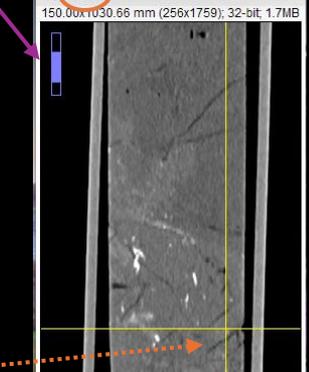
DELGT01-C2-3\_n...



YZ 182



XZ 179



Location shifted in XY window:  
XY slice same, XZ YZ slices change (slice # in window title)

Purple scroll bar shows when XZ window does not fit on screen, scroll down with mouse wheel