LLSZ workflow design

* Main
  + Read image file
  + Set up Dask
  + Get metadata
  + Get deskew direction; Compute deskew and scaling factors
  + Calculate new Y/X dimension for deskewed volume
  + Calculate the new X,Y and Z bounds
* Utilities
  + Get vertices of a volume given a 3d shape (get\_vertices\_volume)
  + Get vertices of volume if given coordinates (get\_vertices\_coord)
  + Y/X correction so deskewed volume stays in bounds??
  + Function for type conversions and saving files?
* Image operations
  + Cropping
    - Prompt user for ROIs?
    - Go through ROIs and generate an array/list of ROIs
    - Get an array of 3d transformed coordinates to original volume
    - Loop through array and return deskewed volume
  + Operations/utilities
    - Get 3D shape for a 2D ROI
    - Get transformed ROIs in raw output for small ROI volume (reverse deskewing; use flat reverse=true by default)
    - Shape of ROI after reverse transformation
* Transformations
  + Shear matrix (Deskew)
  + Rotation matrix
  + Scale matrix
  + Translation matrix
  + One function for deskewing?
    - Zeiss specific deskewing function
    - Deskewing function for home-built ?
* Transform coordinates
  + Apply transformation to vertices of 3d volume to get transformed vertices (transform\_coordinates)
  + Calculate new Y coordinate or X coordinate of deskewed volume using shear,scale and translation (get\_new\_coordinates, transform\_dim)