

2013-06-17

how to insert scale bar post acquisition in Fiji.docx

Obtain an image with a defined calibration grid in the same conditions: microscope, pixel camera size, objective. Please ask staff for help.

Attach is our grid, image distance between 2 major gridlines is 100um.

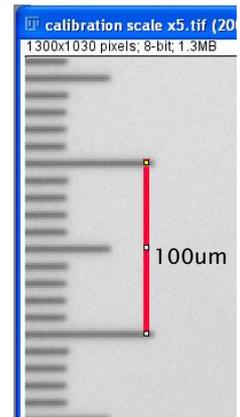
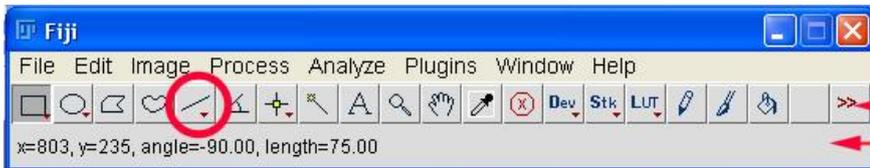
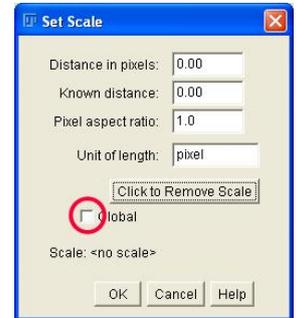
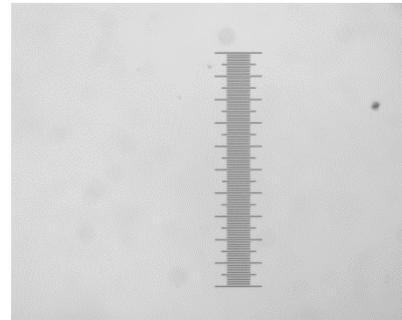
Open the image in Fiji.

Analyze → Set Scale...

Make sure Global is unchecked

Click "Click to Remove Scale"

OK



From the tool bar choose the line tool.

At the calibration grid draw a line of a known distance, e.g. between major gridlines, precisely, using magnification.

At the status bar below the tool bar you see the number of pixels you have indicated as length, as long as you hold the line.

Analyze → Set Scale

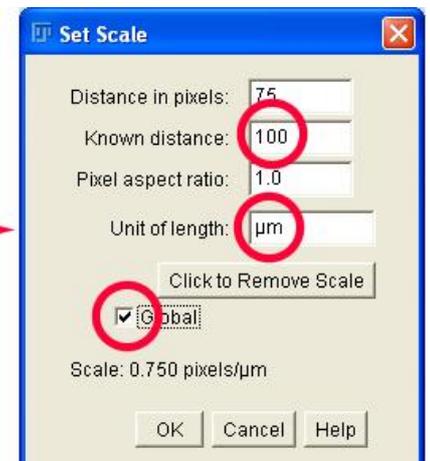
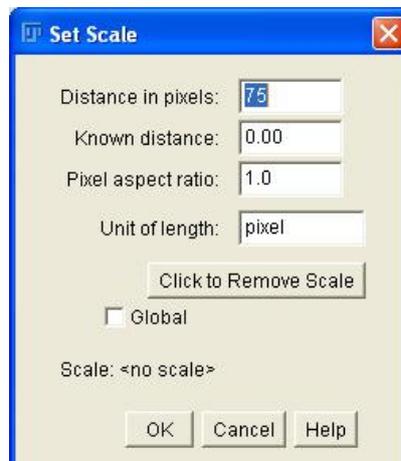
"Distance in pixels" should already show the number you saw on the status bar.

"Known distance" enter the number you know this distance represents, e.g., 100 between major gridlines.

"Unit of length" enter μm (this will be used literally in the scale bar)

Check Global

OK



In any picture you wish to apply a scale bar with this calibration (i.e., similarly acquired) you do: Analyze → Tools → Scale bar...

You can indicate the length and formatting parameters, and if you wish it not to be in one of the standard corners you can (beforehand) draw a line in the location you wish it to be placed.