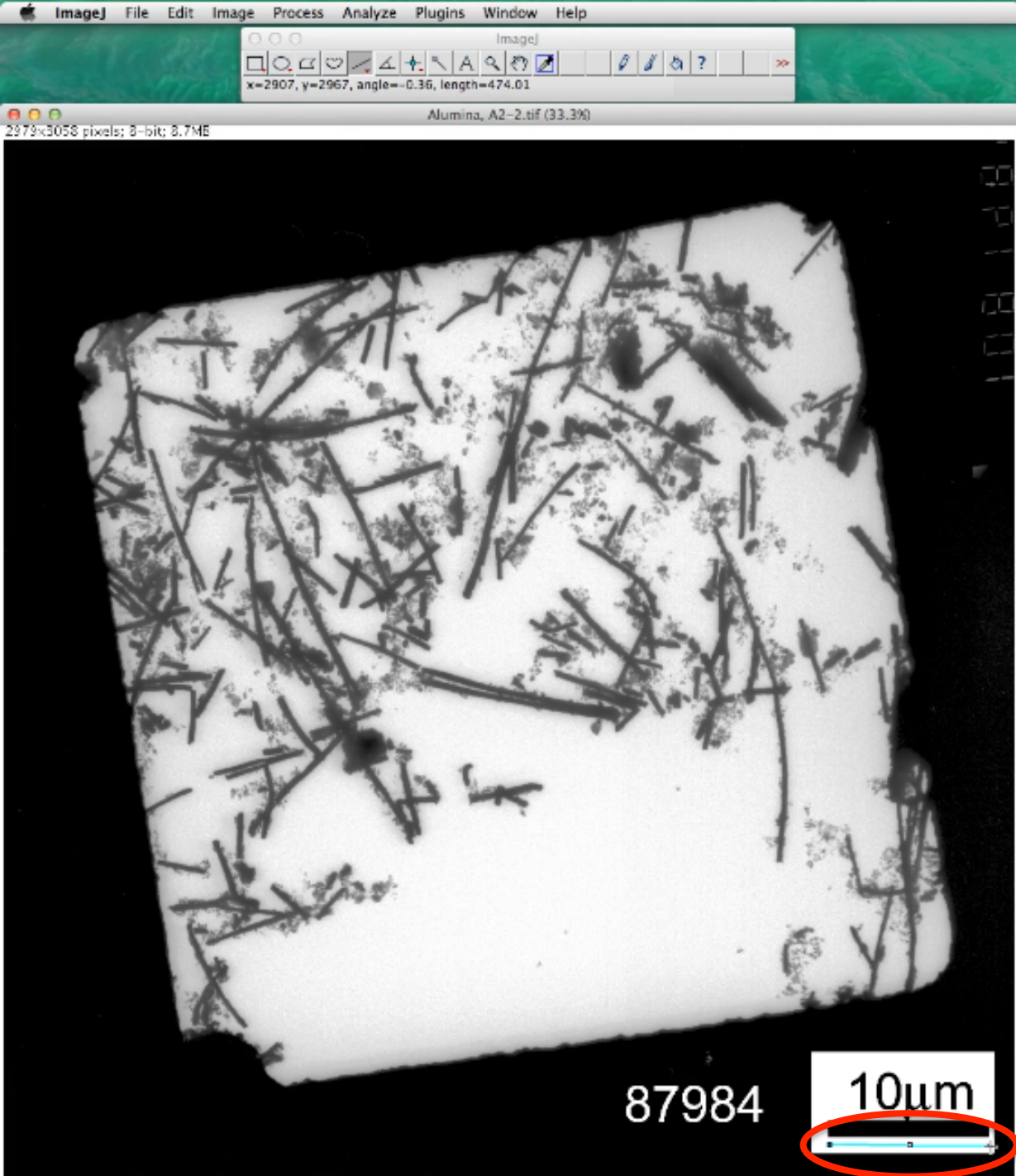
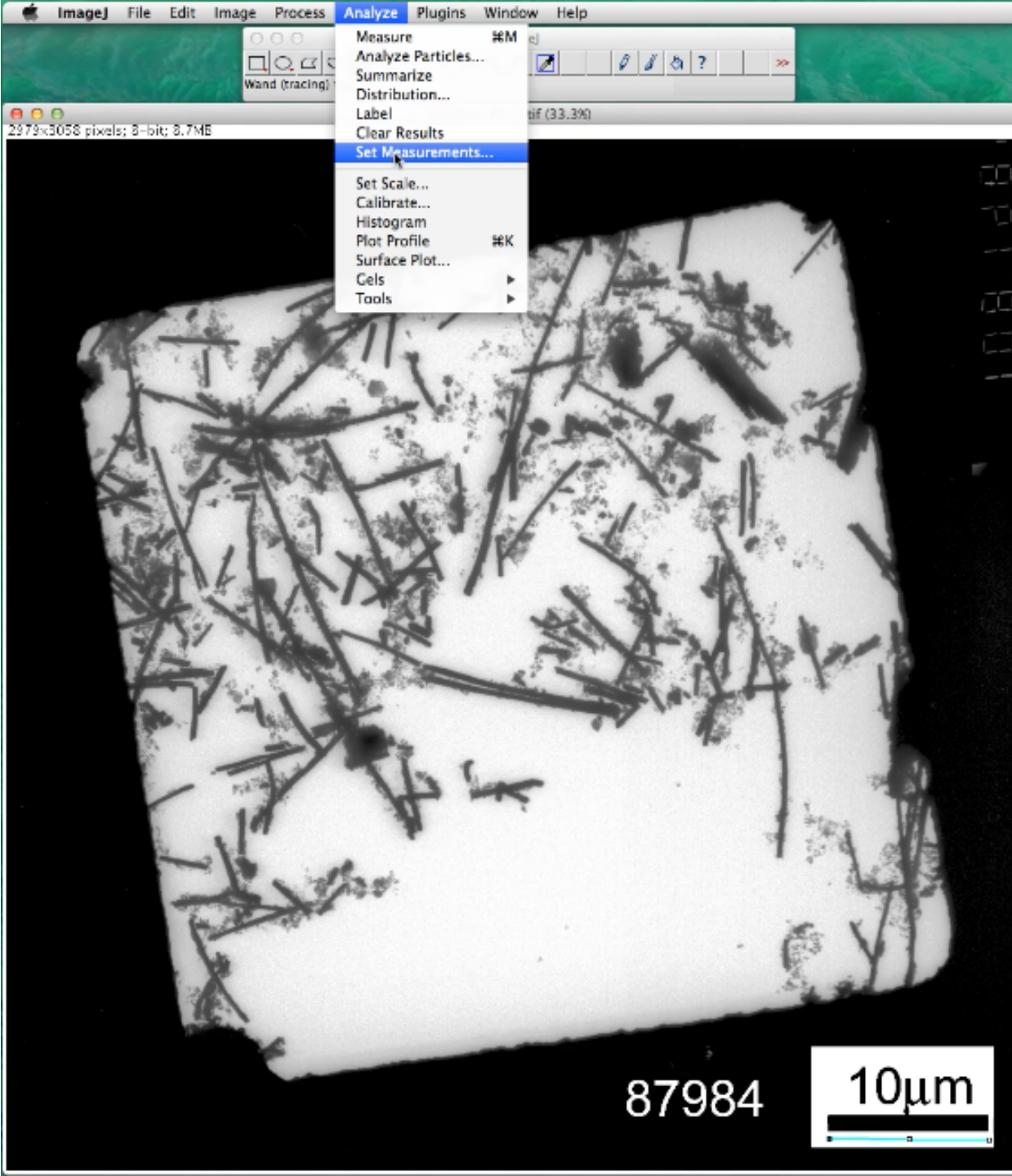


The file called “Alumina, A2-2” is opened in ImageJ. The line width is 12 and the color is cyan, but set them to whatever preferences you desire.



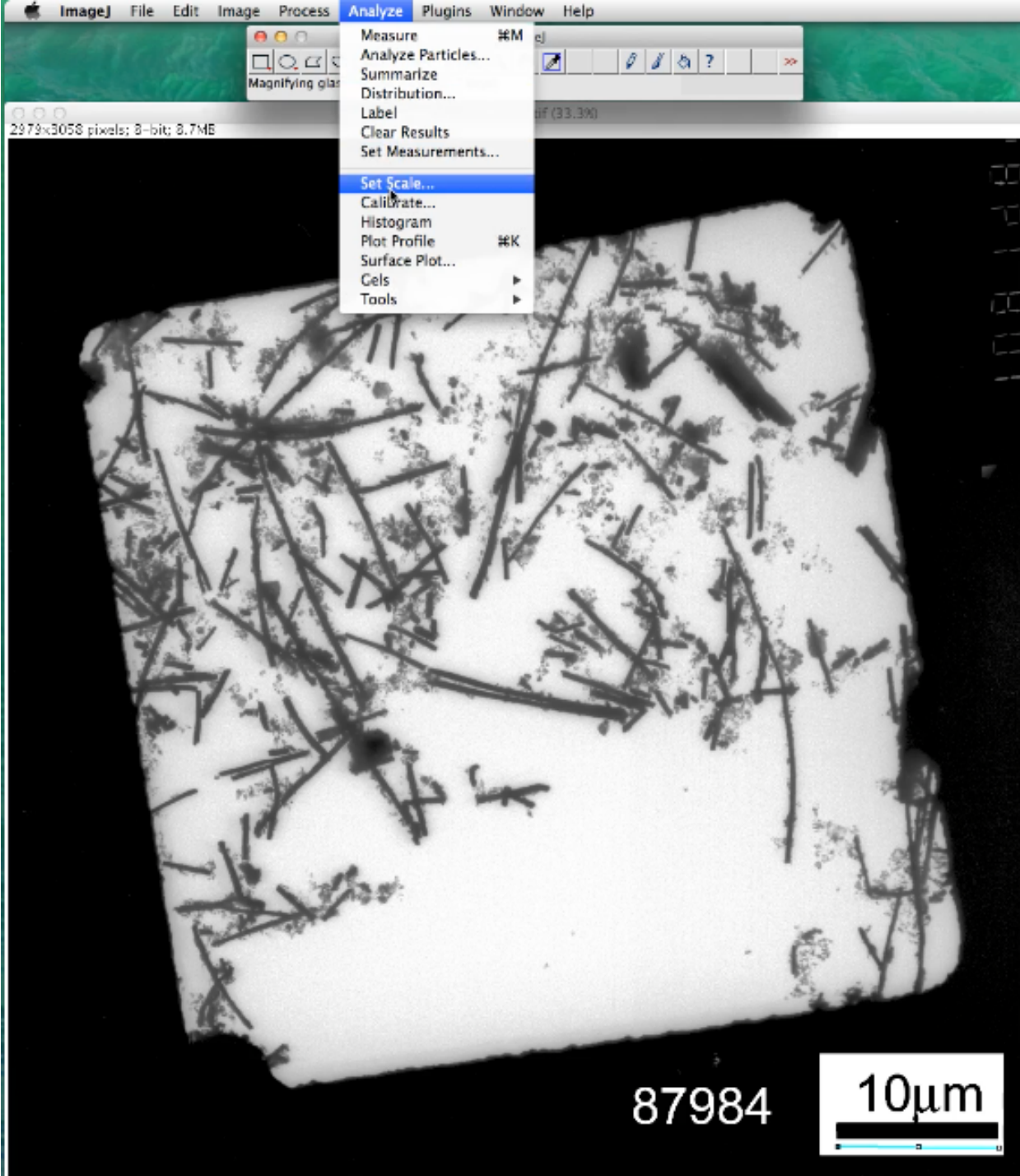
Alumina, A2-2 image came with a measurement bar, bottom right hand corner. Use linedraw to create the same length as the measurement bar.



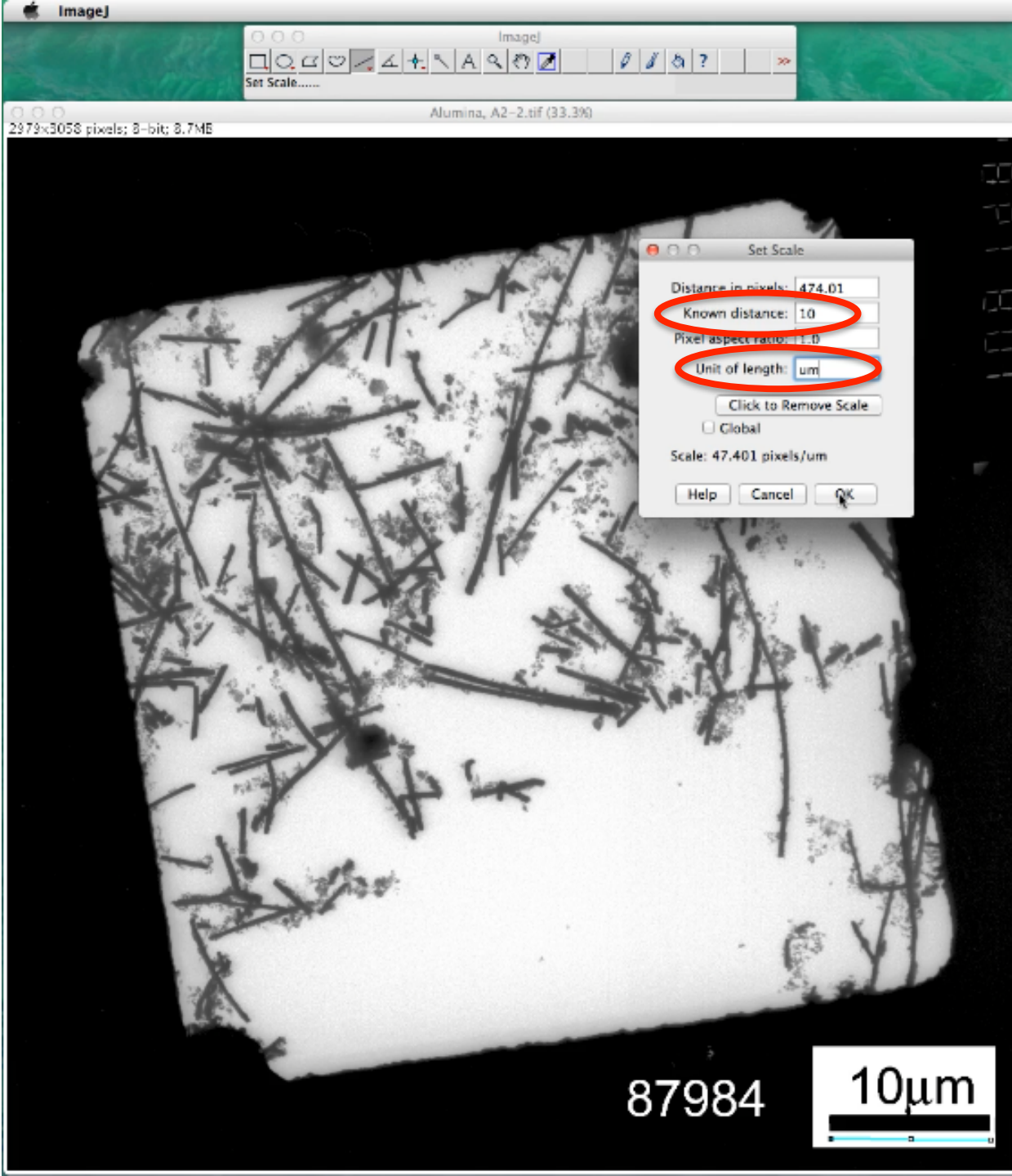
Go to the Analyze menu and select Set Measurements. A Set Measurements window will open.



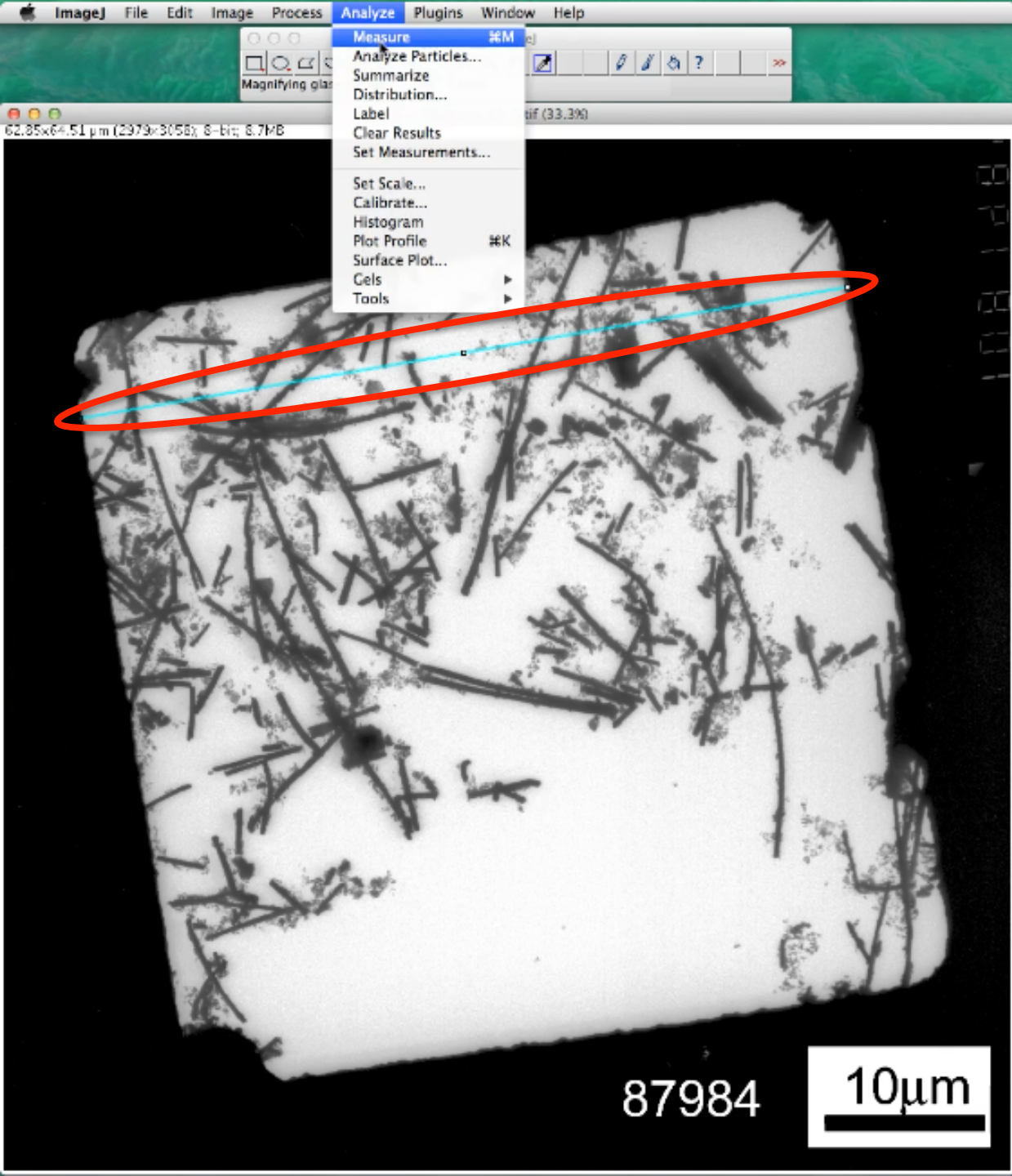
Various parameters can be checked within this window. For now, no check marks and 3 decimal places will suffice. Click OK. Later we'll checkmark some of the parameters.



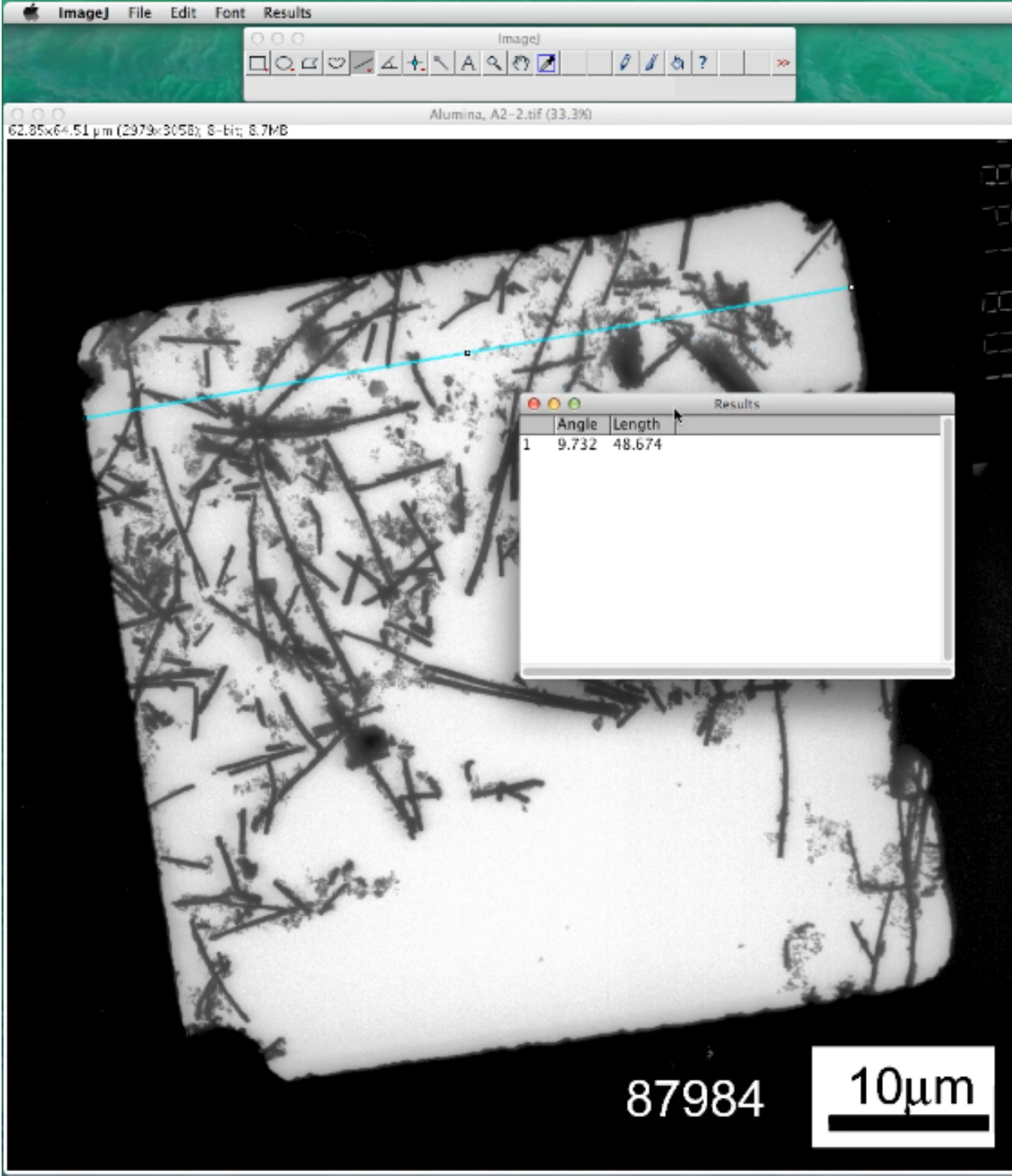
Now, go to the Analyze menu and select Set Scale. A new Set Scale window will open.



Known distance is set to 10, as per the measurement bar. The Unit of length is set to “um” for micro meter. Click OK. Every line you draw will have a known measurement.



The width of the window is measured by drawing a line across its frame. Go to the Analyze menu and select Measure.



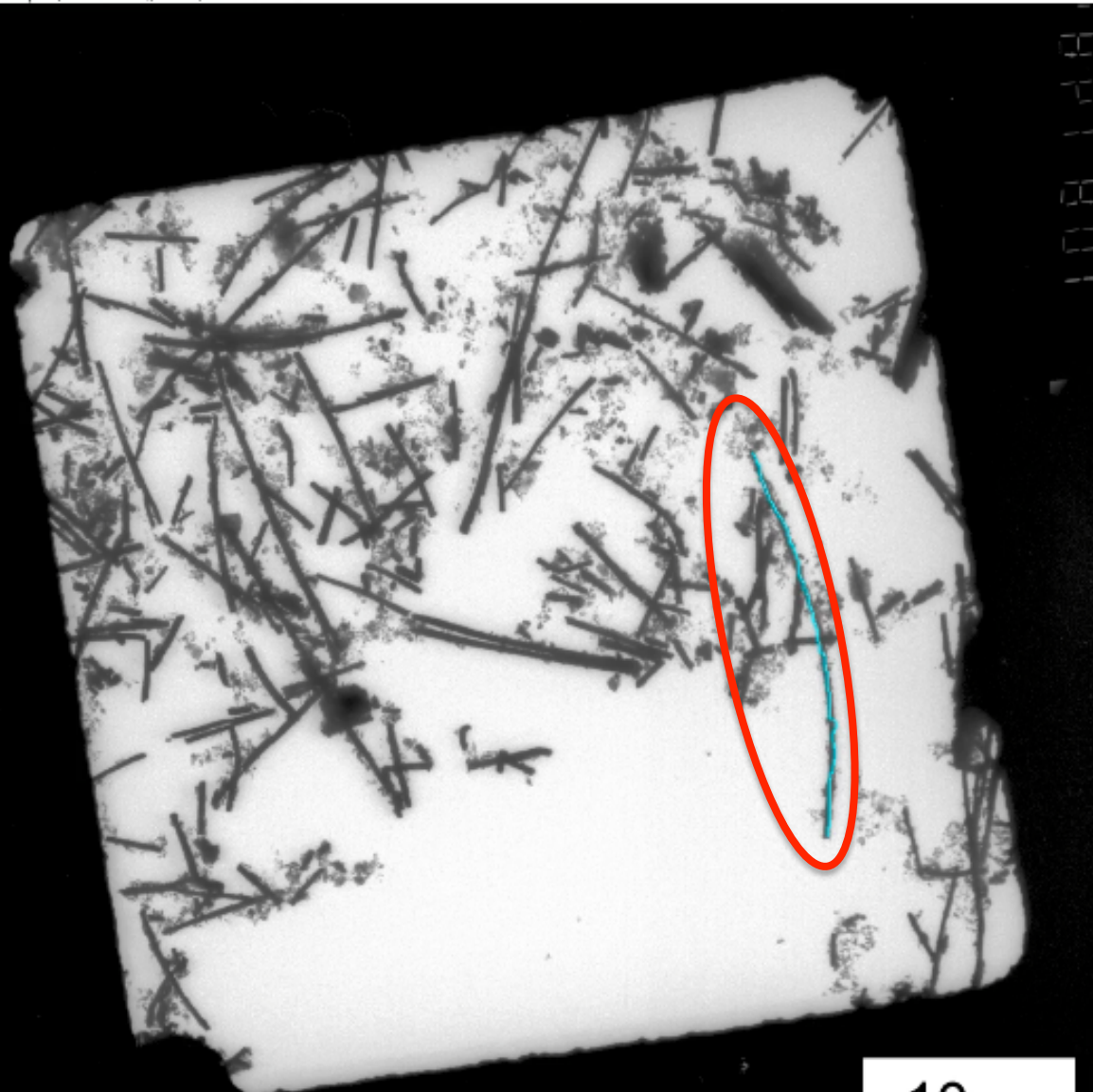
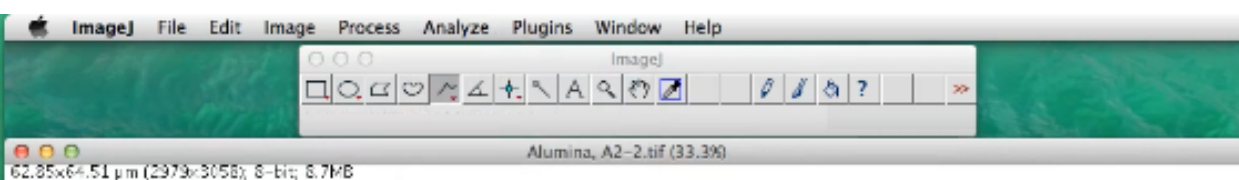
A Results window will appear and you can see that the window width based on the line you drew is measured to be about 49 µm.



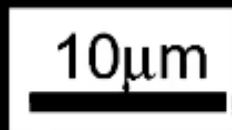
A line is drawn against a nano-wire. Then Analyze --> Measure is performed. The nano-wire is measured to be about 5 μm .



Linedraw is changed from straight line to segmented line mode (Gallery 3.9, Images 11 & 12). A series of nano-wires are traced and measured.



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Segmented line is changed to Freehand line (Gallery 3.9, Images 14 & 15). A curved wire is traced and can be measured.