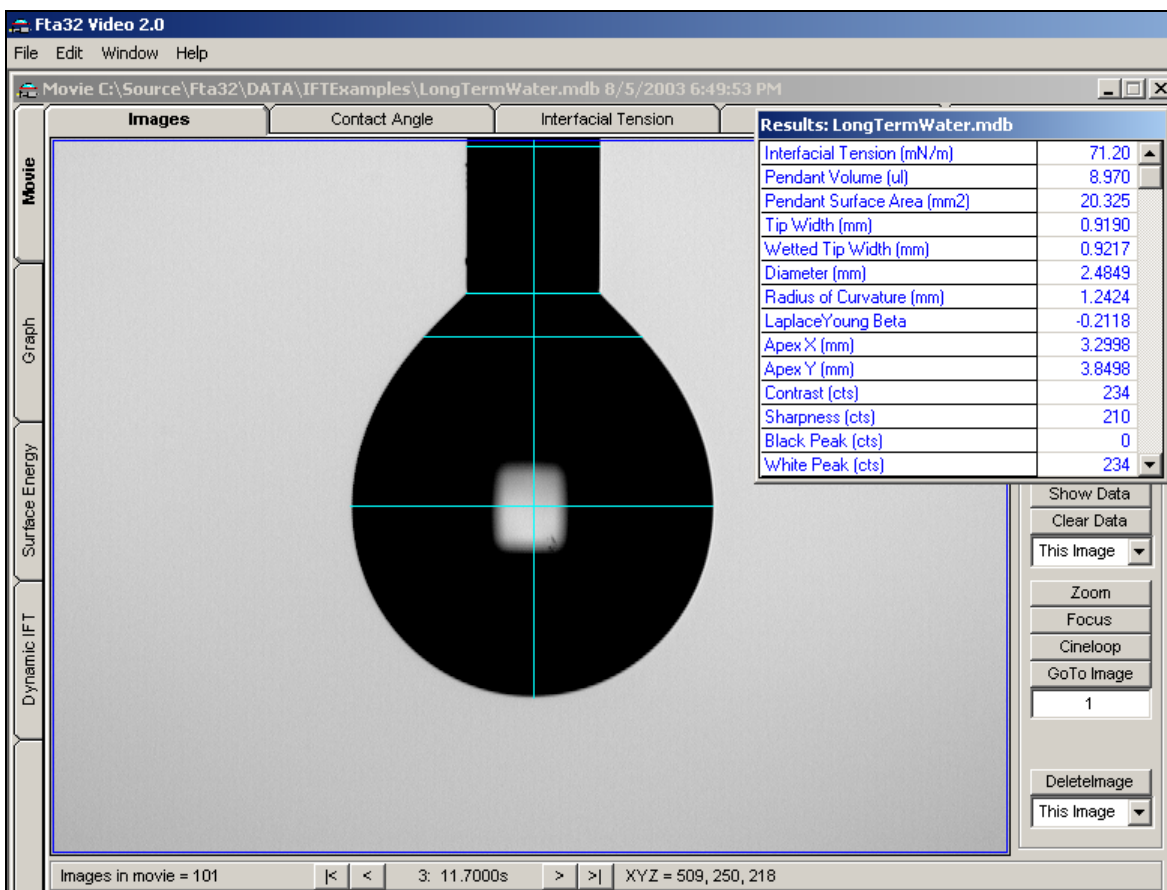


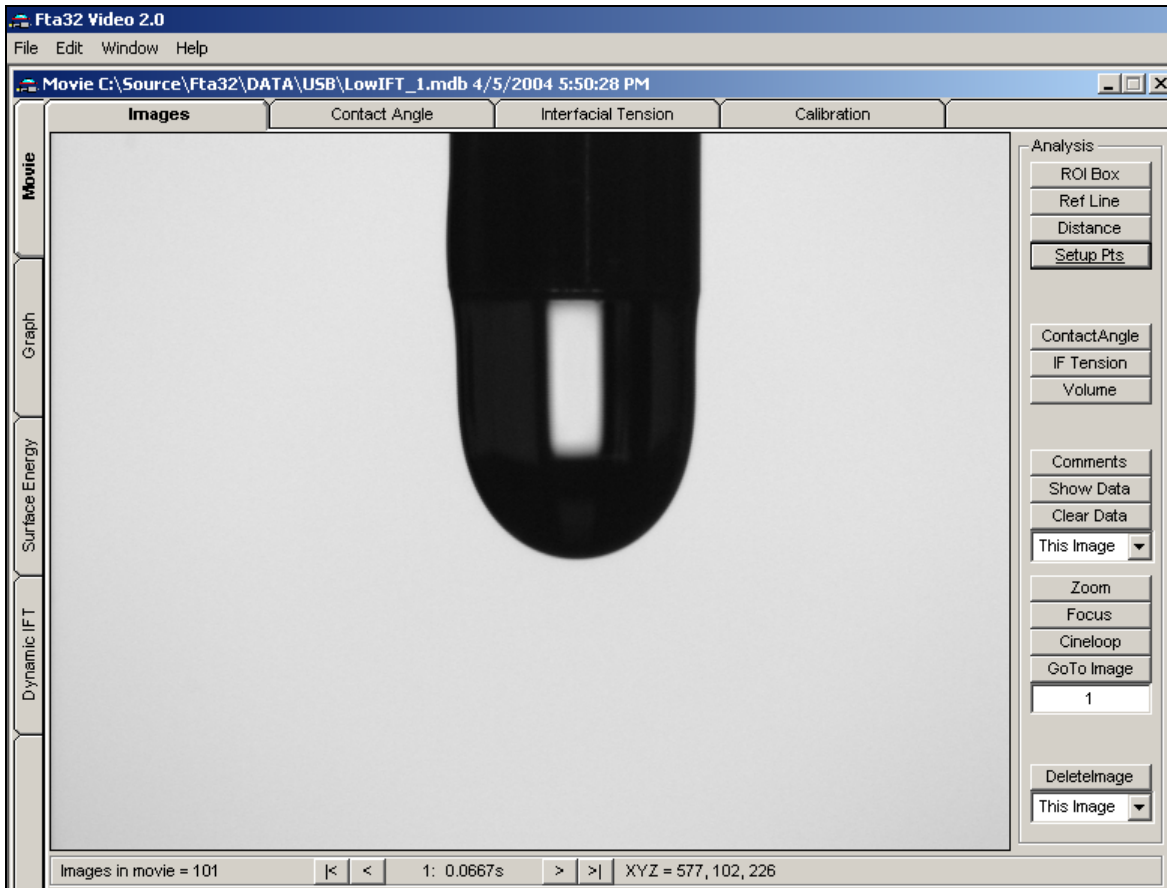
NTSC (Frame Grabber) Images

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Frame grabbers are the traditional way to capture video images. Arguably they provide the highest quality, but USB cameras have convenience and can be used with laptop computers. Two images are provided below to serve as a comparison with USB images presented elsewhere. The camera was setup to provide 640×480 pixel images. The camera itself has slightly more pixels, but these are not used in this format. The background in these images is not saturated. This means it is not at the maximum white level possible. Having a non-saturated background is actually a more severe test because the eye will notice any noise in the image. The images shown here are noise-free. USB 2 cameras can also be operated non-saturated, but USB 1.1 images are much better if the background is saturated.



Pendant drop image of water. Background is purposefully not driven to full white. It can be made so, if desired, by increasing the brightness control.



A low interfacial tension drop with a brighter background setting.

The image compression used in pdf documents is not optimal, so these drops may show irregular edges on your screen. They will print well, though, on a good laser printer.