

Getting a good image



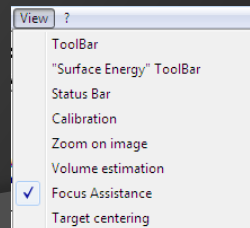
- Focus Assistance
- Effect of the Light on the results



ACCURACY OF LENGTH

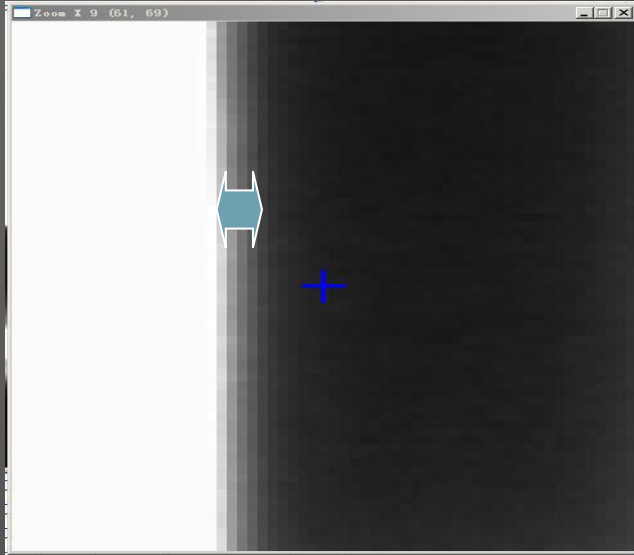


STEP 1 : FOCUS ASSISTANCE

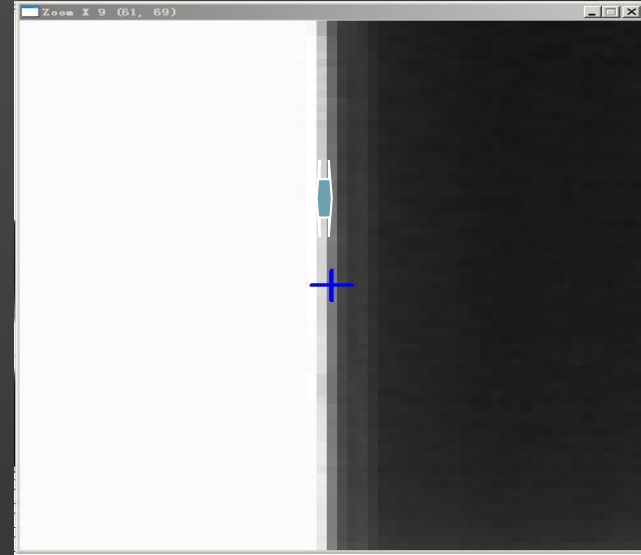




Bad focus



Good focus



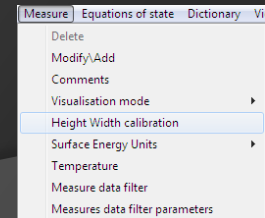
Focus assistance must be set perfectly



ACCURACY OF LENGTH



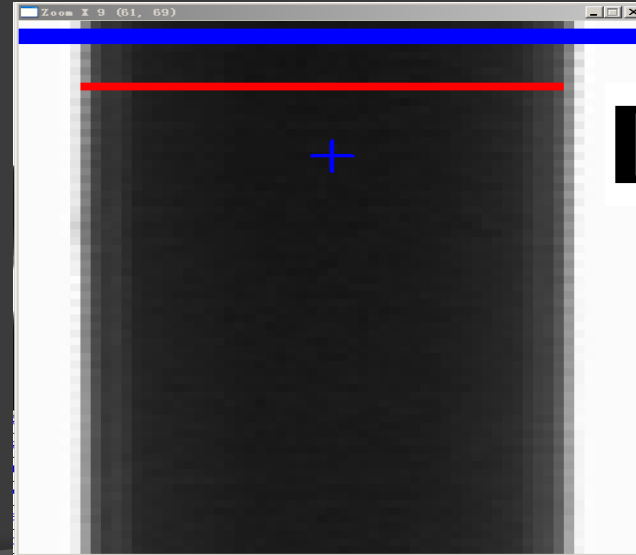
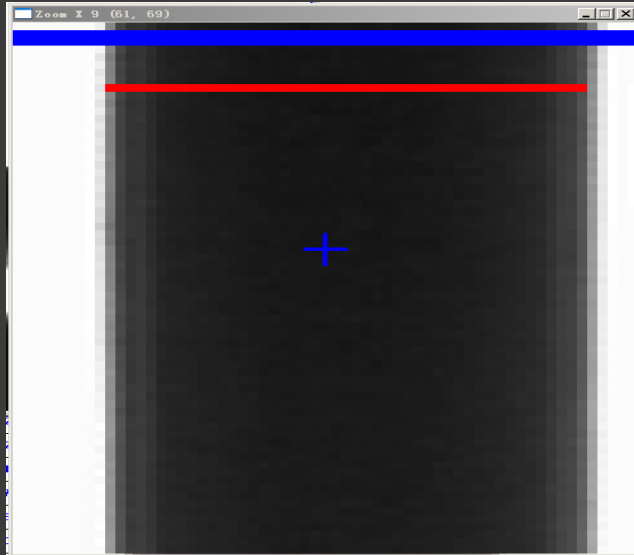
STEP 2 : CALIBRATION OF PIXELS



Measure the value of one Pixel

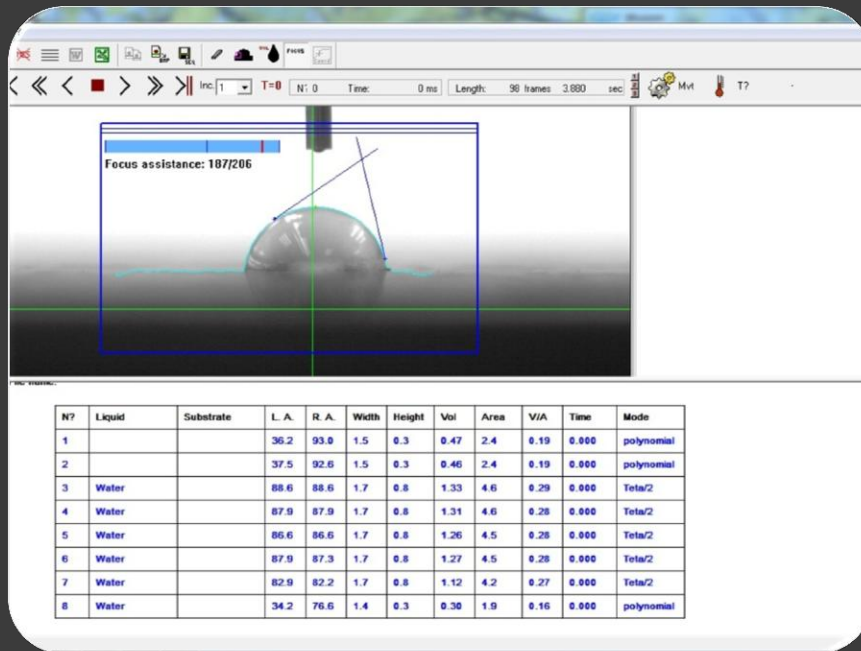


- Number of pixels lost due to bad Focus Assistance. In this example, accuracy is 4 pixels.
- Accuracy around 50-60 micrometer. So around 5%.
- To improve accuracy . Get a Digital video camera with higher resolution . We can go down to 1%



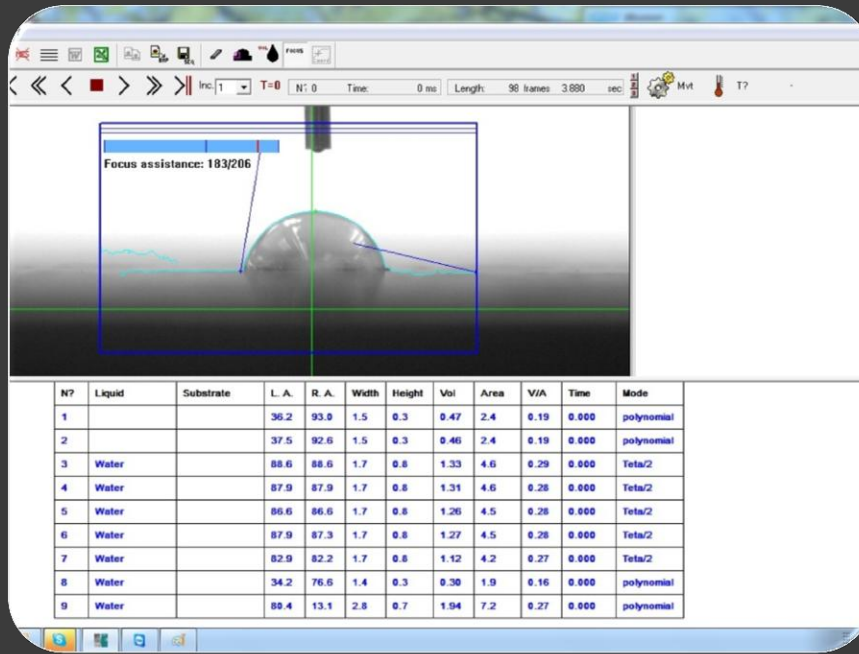


EFFECT OF THE LIGHT



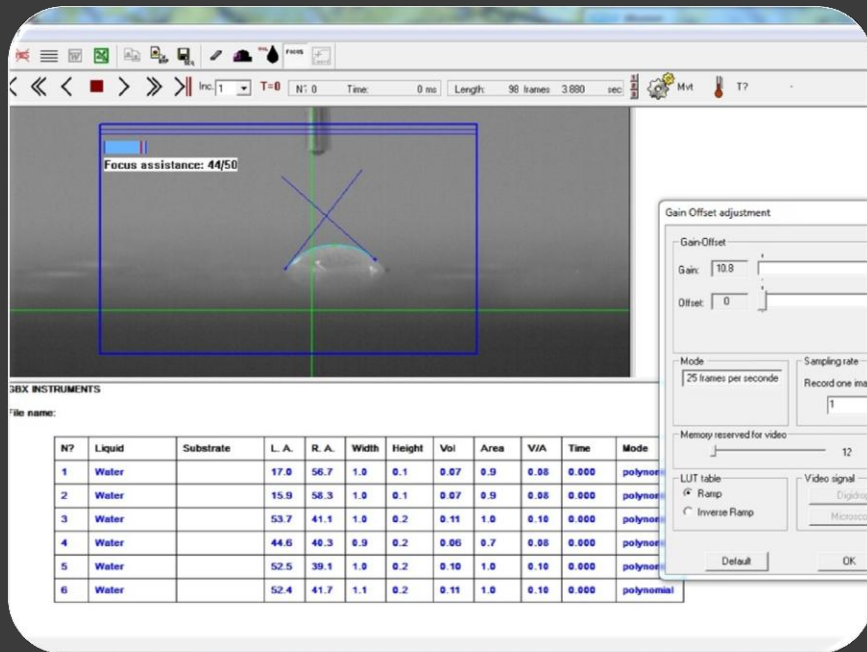
Too much light

You must find a place where the light not in excess. On this image we can see the ceiling lights



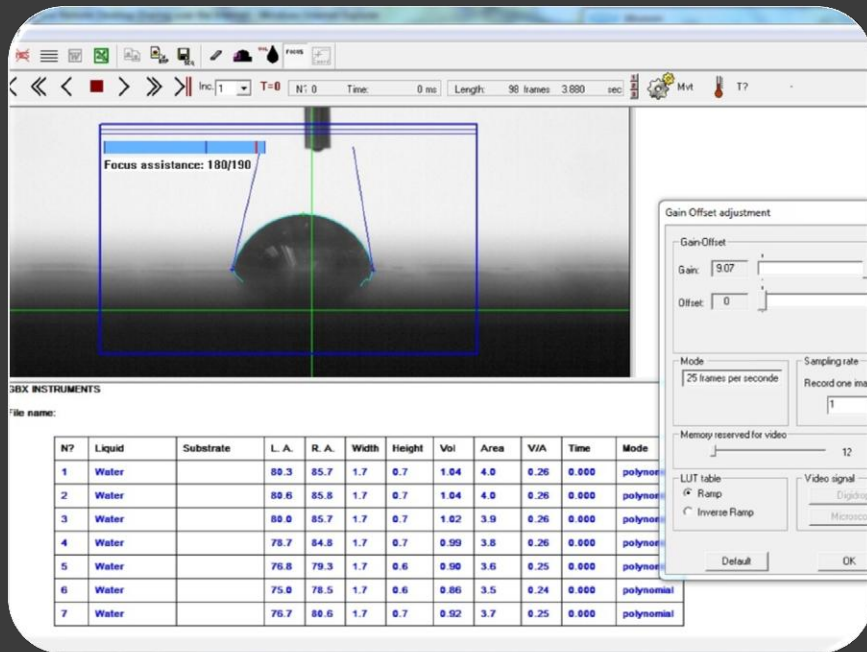
Too much light

You must find a place where the light not in excess. On this image we can see the ceiling lights



Not enough light

Open the shutter to increase the light



Better adjustment