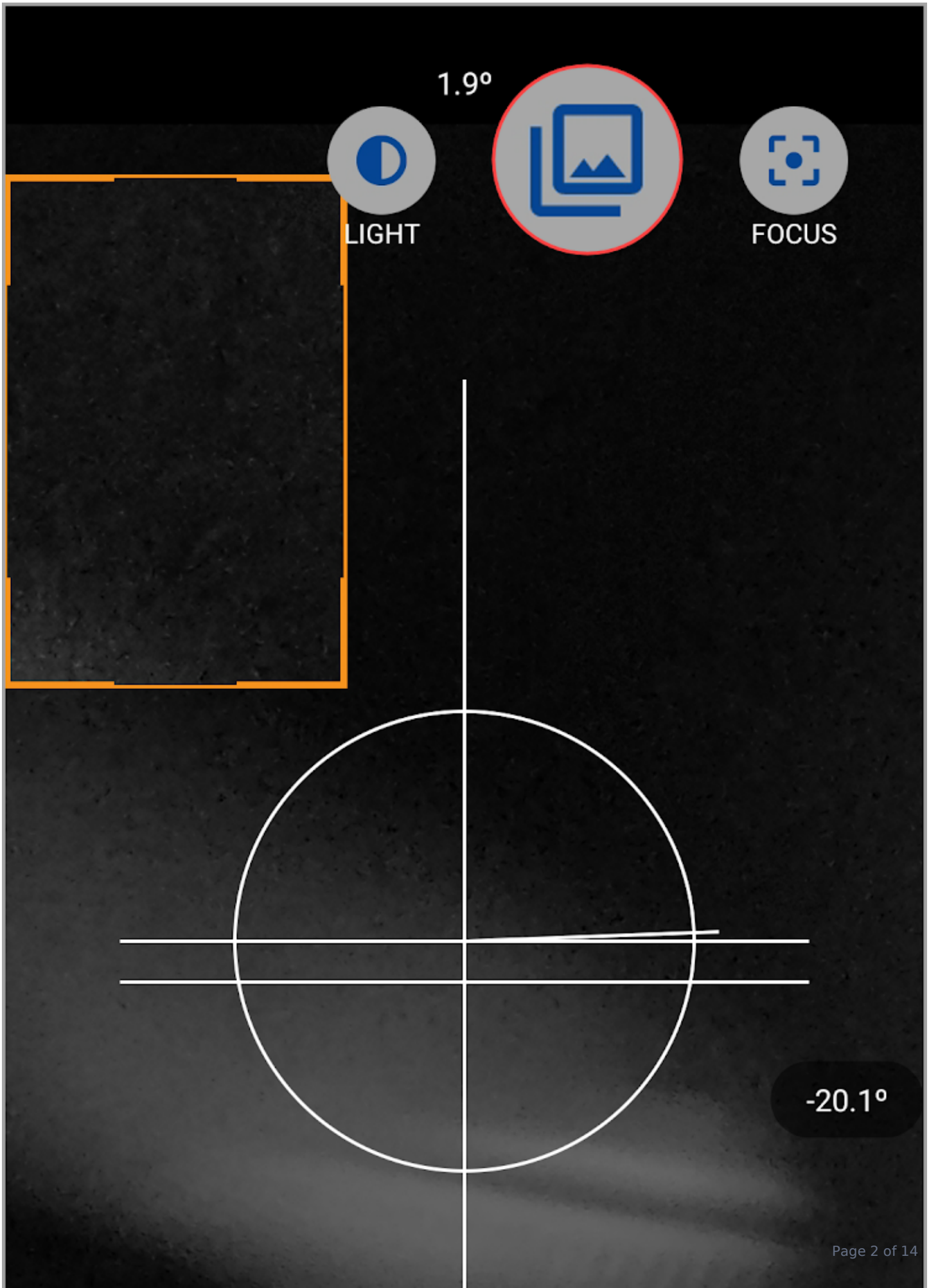
Use Multi-Capture Feature for Dynamic Surface Tension?

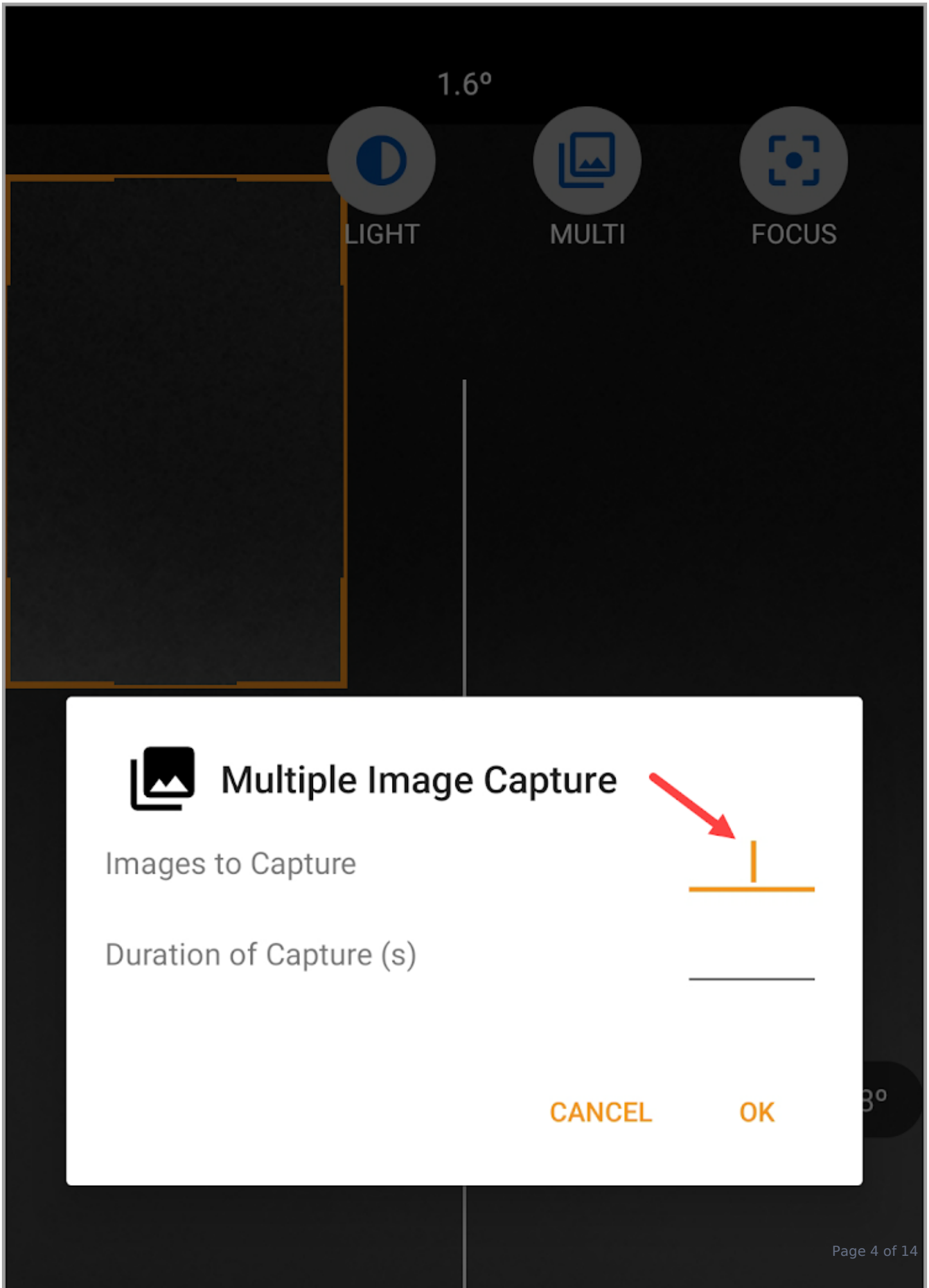
Measurement Process · https://dropletlab.com/knowledge-doc/how-to-use-multi-capture-feature-for-dynamic-surface-tension-measurement/

How to Use Multi-Capture Feature for Dynamic Surface Tension Measurement?

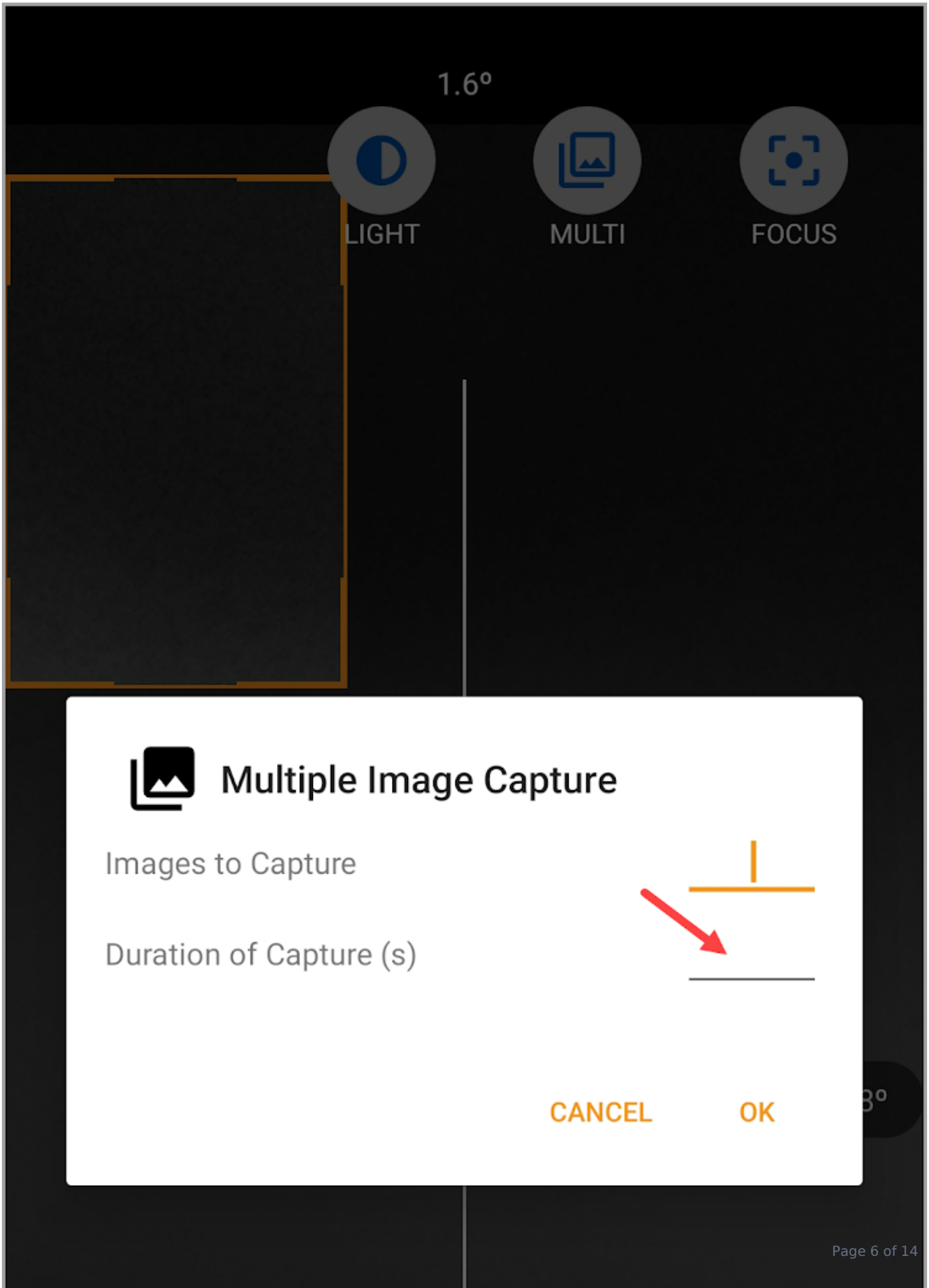
1. As the camera opens, tap the MULTI icon located at the top-right corner of the screen.


1.9º
LIGHT
FOCUS
-20.1º

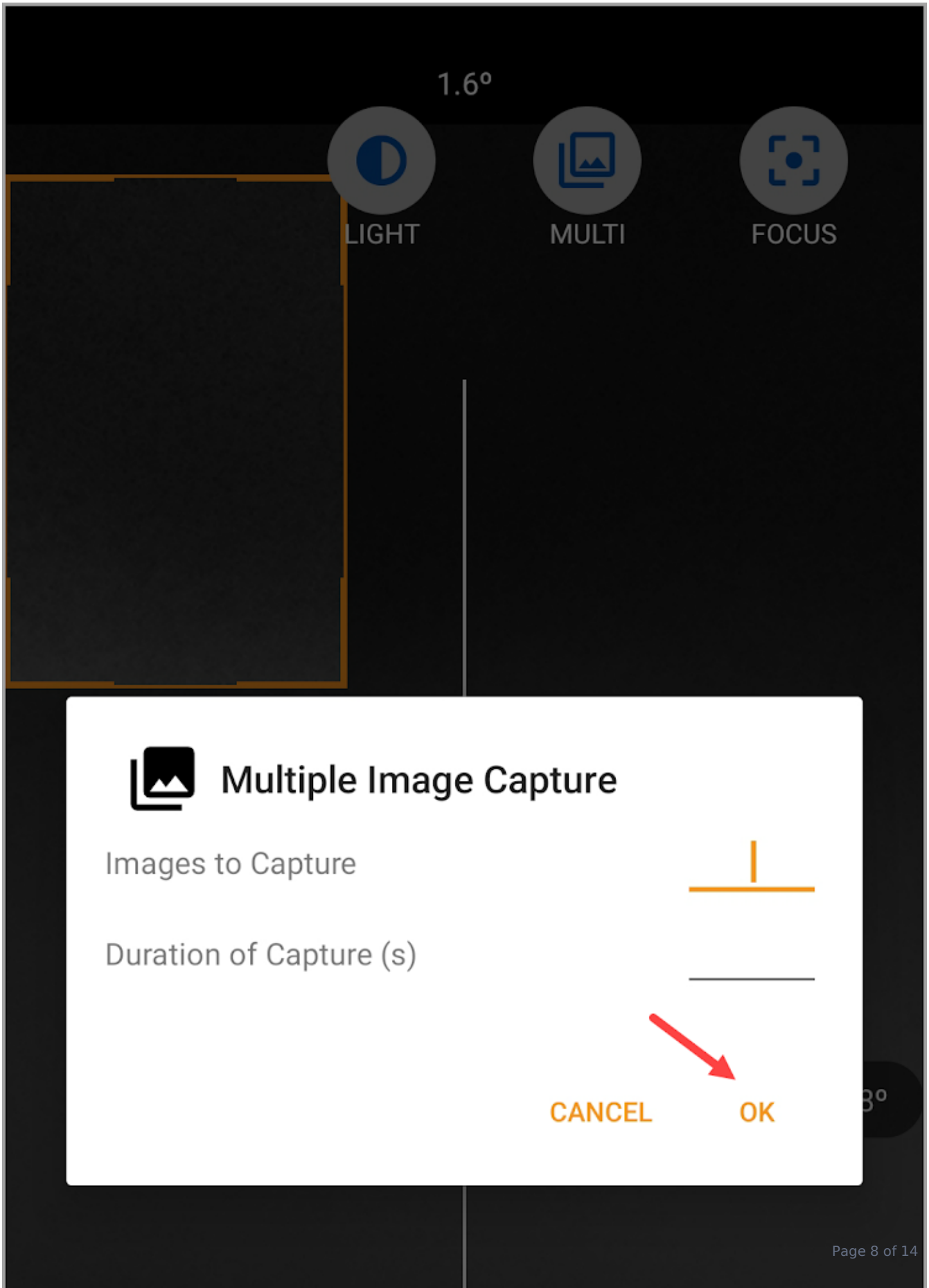
2. As a result, the Multiple Image Capture popup opens. Here, use the Images to Capture field to define the number of images you want to capture.


1.6°
LIGHT
MULTI
FOCUS
Multiple Image Capture
Images to Capture
Duration of Capture (s)
CANCEL
OK

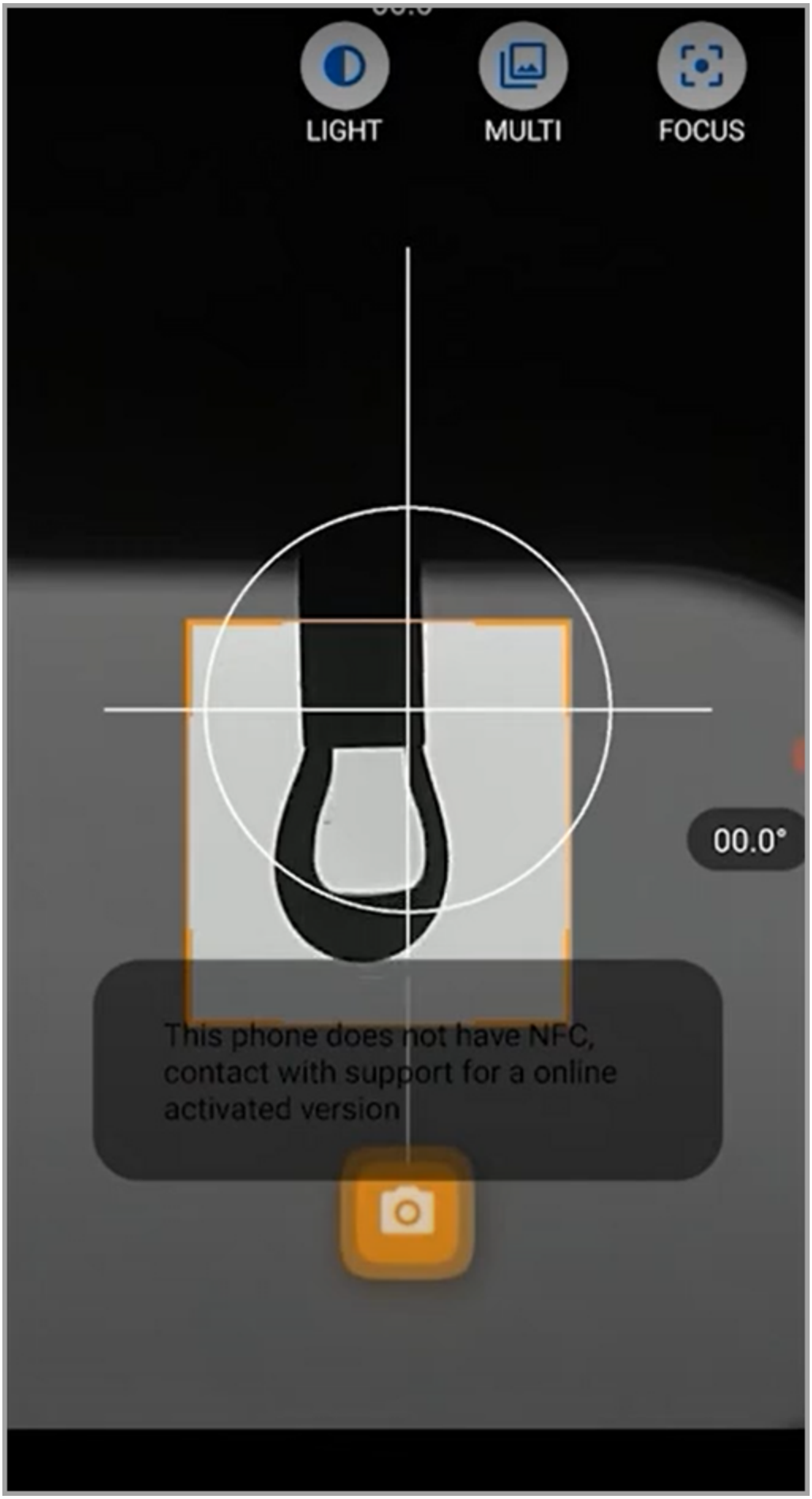
3. Enter the duration for capture(s) using the Duration of Capture(s) field.


1.6°
LIGHT
MULTI
FOCUS
Multiple Image Capture
Images to Capture
Duration of Capture (s)
CANCEL
OK

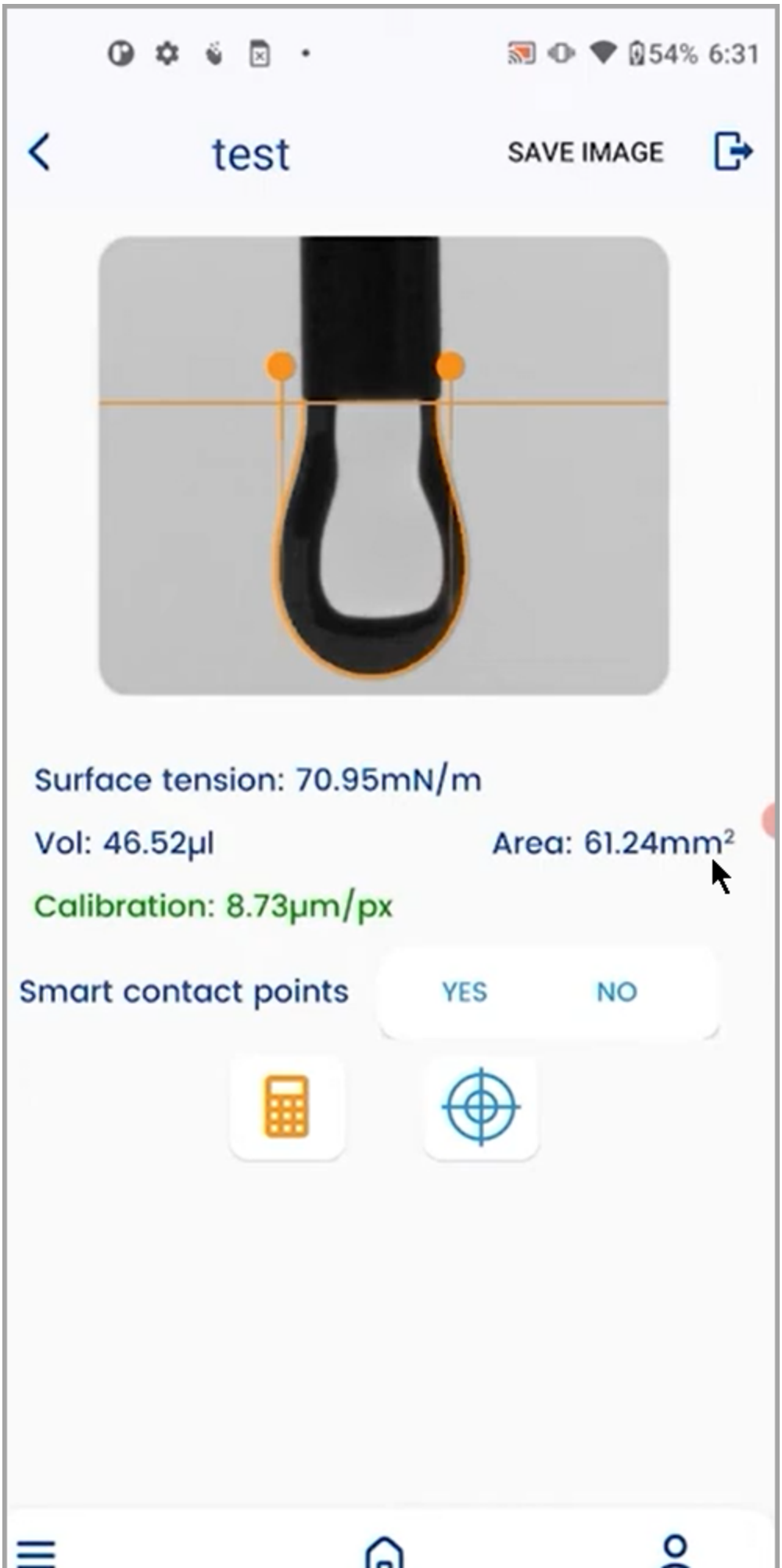
4. Once the required information is filled in, tap the OK button.


1.6°
LIGHT
MULTI
FOCUS
Multiple Image Capture
Images to Capture
Duration of Capture (s)
CANCEL
OK

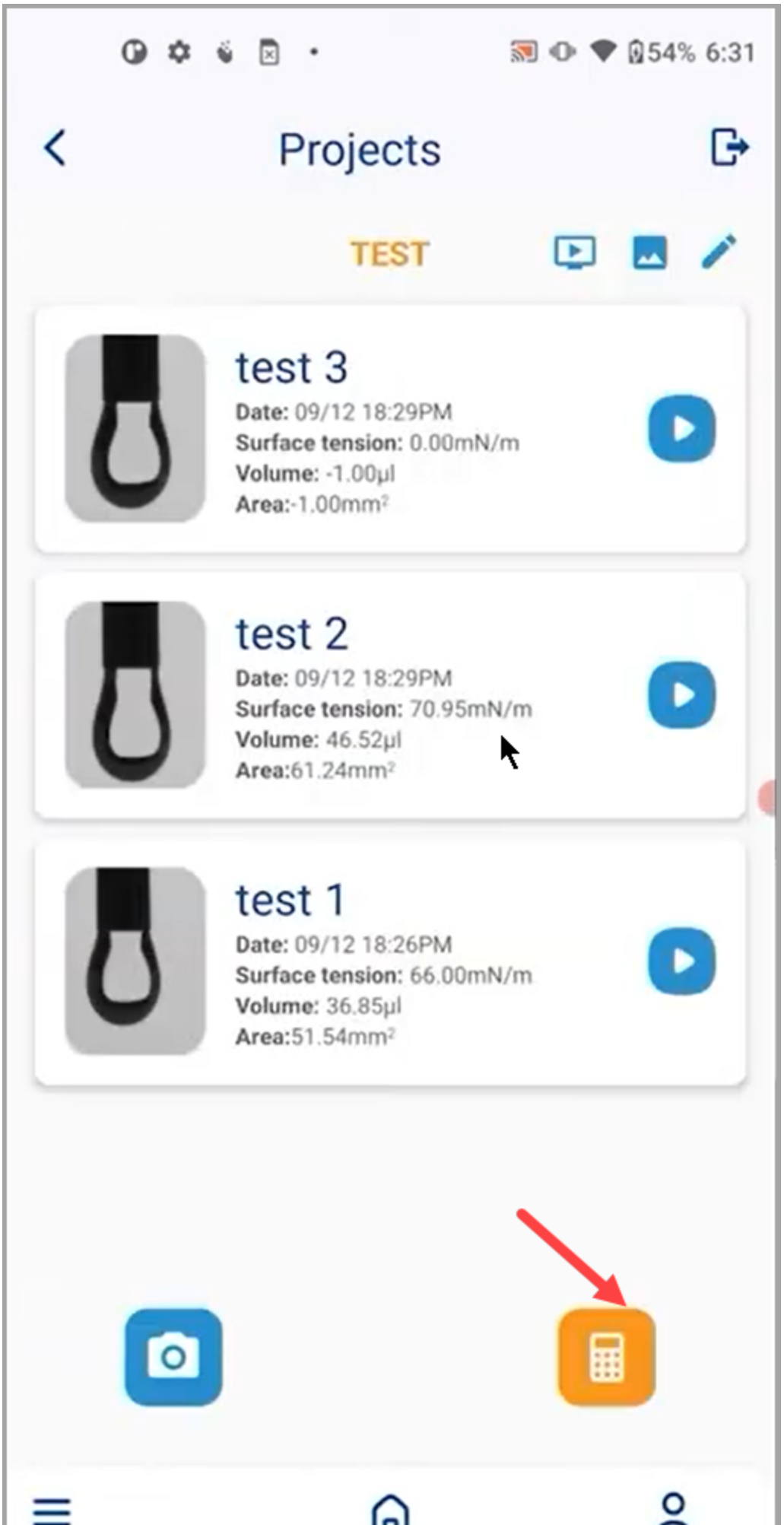
5. Once this is done, tap the Capture button to start capturing the droplet. Generate the droplet slowly and capture right before the image leaves the needle.


LIGHT
MULTI
FOCUS
00.0°
This phone does not have NFC, contact with support for a online activated version

6. Go to one of the captured images in order to perform the calculation process including calibrations.


54% 6:31
test
SAVE IMAGE
Surface tension: 70.95mN/m
Vol: 46.52µl
Area: 61.24mm²
Calibration: 8.73µm/px
Smart contact points
YES
NO

7. After that, go back to the Project screen and tap the Calculate All button. This processes all the images captured in the specified timeframe.


54% 6:31
Projects
TEST
test 3
Date: 09/12 18:29PM
Surface tension: 0.00mN/m
Volume: -1.00µl
Area:-1.00mm²
test 2
Date: 09/12 18:29PM
Surface tension: 70.95mN/m
Volume: 46.52µl
Area:61.24mm²
test 1
Date: 09/12 18:26PM
Surface tension: 66.00mN/m
Volume: 36.85µl
Area:51.54mm²