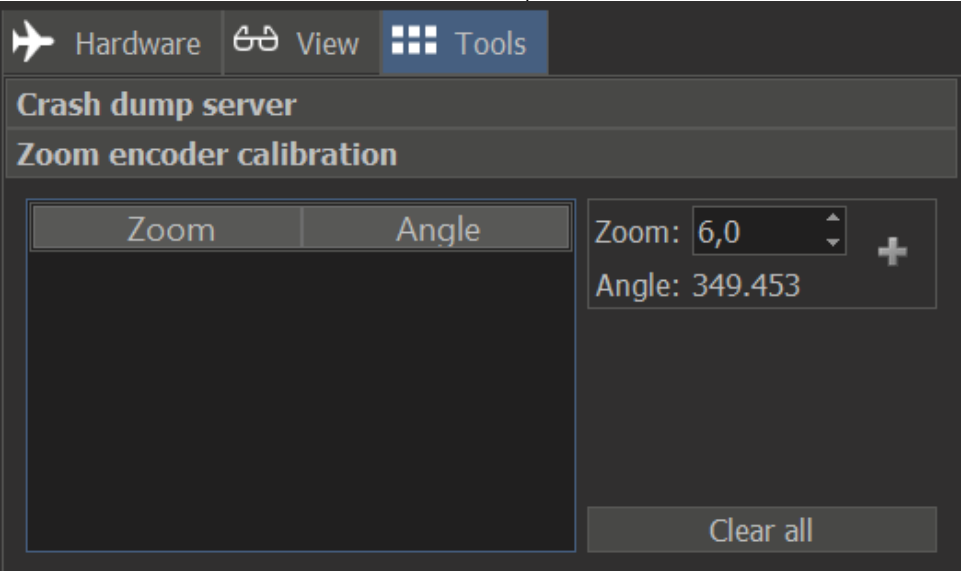



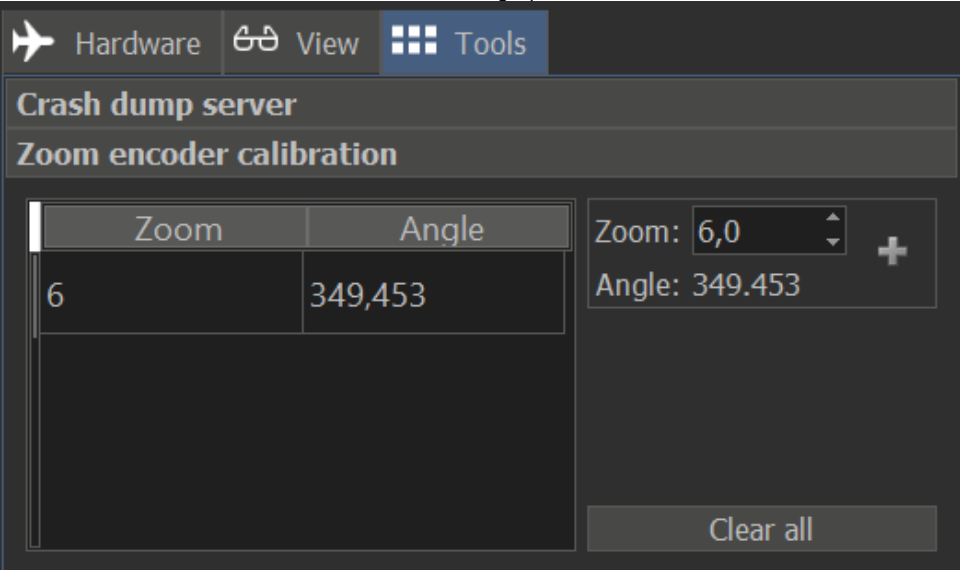
# Calibration of a Zoom Encoder

It is necessary to calibrate a zoom encoder DALS systems only first time. Then the DALS software and its updates will use the config file with saved calibration (%PROGRAMDATA%\OctoNus Software\Digital Microscope\zoom\_encoder\_calibration.xml).

- 1. Start the DALS program and connect to the microscope.
- 2. Select the "Tools" tab. Find the "Zoom encoder calibration" panel":



- 3. Do next steps for all ticks on the zoom wheel:
  - a. Manually change zoom wheel to next tick (for example 6.0). You can see that the 'angle' label is changed.
  - b. Change zoom value editbox to the correspondent zoom (for example, 6.0 again).
  - c. Click at the  button. You should see that a zoom-angle pair is added to the table:



4. After you add pairs for all your zoom ticks you'll see the zoom-angle table like this:

✈ Hardware

🔗 View

🛠 Tools

Crash dump server

Zoom encoder calibration

Zoom	Angle
30	208,589
40	247,852
50	278,438
55	291,006

Zoom: 55,0

+

Angle: 291.006

Clear all

5. Go to the 'Hardware' tab and check zoom calibration by wheeling the zoom wheel manually and compare ticks with zoom value in the DALIS GUI:

✈ Hardware

🔗 View

🛠 Tools

Zoom and focus

🔍 17.3x

Z -7.740mm