Qtegra SC-DX Probe Arm Realignment Guide (TN170605)

Confirmation of proper alignment:

The radial position of the arm on the SC-DX autosampler should be as shown in Figure 1. Visually confirm that the arm is 180 degrees relative (opposite) of open side of vertical rail and that the sample probe is vertically aligned. If realignment is required, the following procedure is recommended.

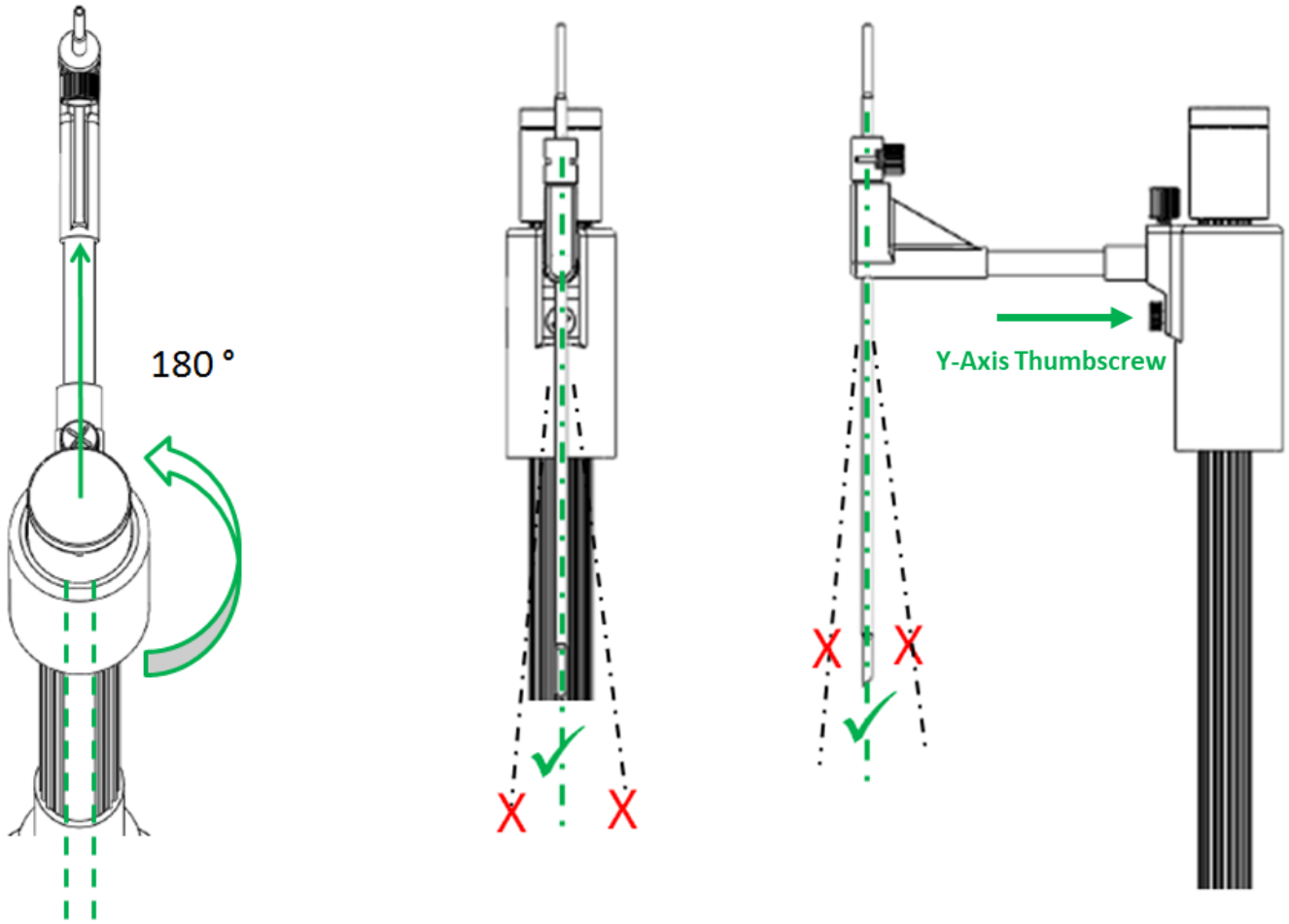

Figure 1: Proper Radial Position of Arm and vertical position of probe

Calibration Procedure:

1) Open the calibration wizard from the **Qtegra** dashboard by selecting the configured DX Autosampler **(1)** then open **Tools (2)** and **Calibrate (3)**

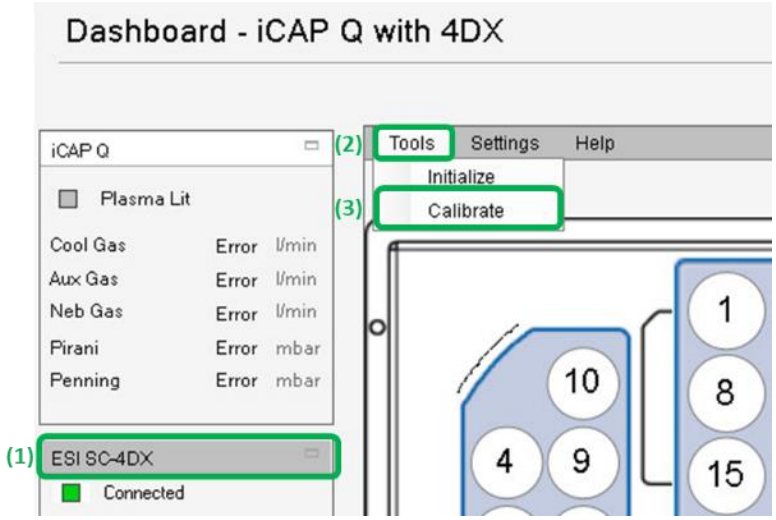

Figure 2: Calibrate Autosampler Window.

2) Click thru the wizard until the following window is shown, check the box **Reset all to zero?** then click the **Reset All** button to reset all calibration offsets.

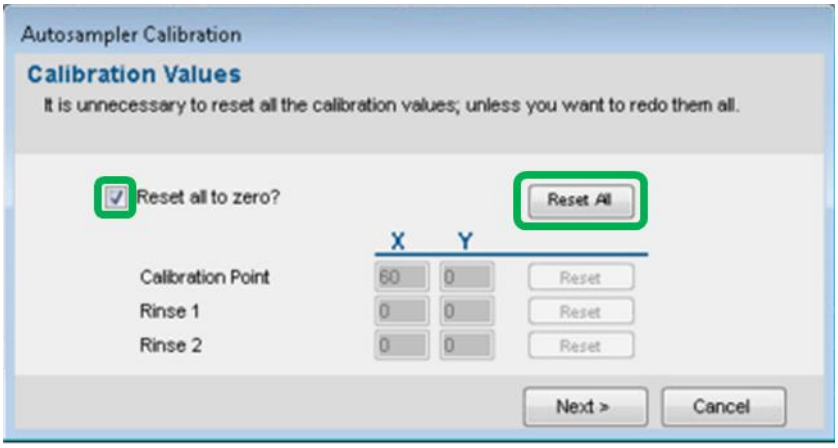

Figure 3: Calibrate Autosampler Window.

3) Locate the **Y-Axis Thumbscrew** shown in Figure 4 and loosen. This will allow the arm to be radially adjusted.

Figure 4: Proper position of probe over Calibration Point.

4) In the calibration window click **Next** twice for the probe to move to the calibration point.

5) Now with the screw still loosened from Step 3), and with the probe in place, rotationally adjust the arm until the probe tip is on the calibration spot. Do not disturb (rotate) the vertical post from its position to ensure better accuracy. See Figure 5.

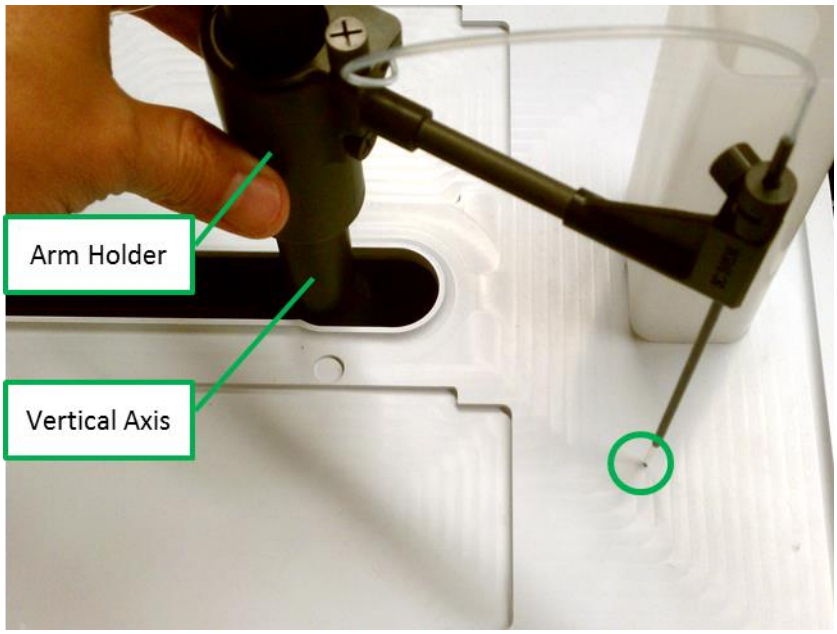

Figure 5: Proper position of probe over Calibration Point.

6) Next tighten the **Y-Axis Thumbscrew** shown in Figure 4 while being careful not to disturb the radial position.

7) Continue with the calibration wizard