S2 Check for the consistency of the radius along the fiber

To ensure that the radius of the fiber does not change along its length, we scanned a long (75 µm) section of a dried fiber attached to a glass substrate (Figure B). Small objects surrounding the fiber are crystals of dried buffer.
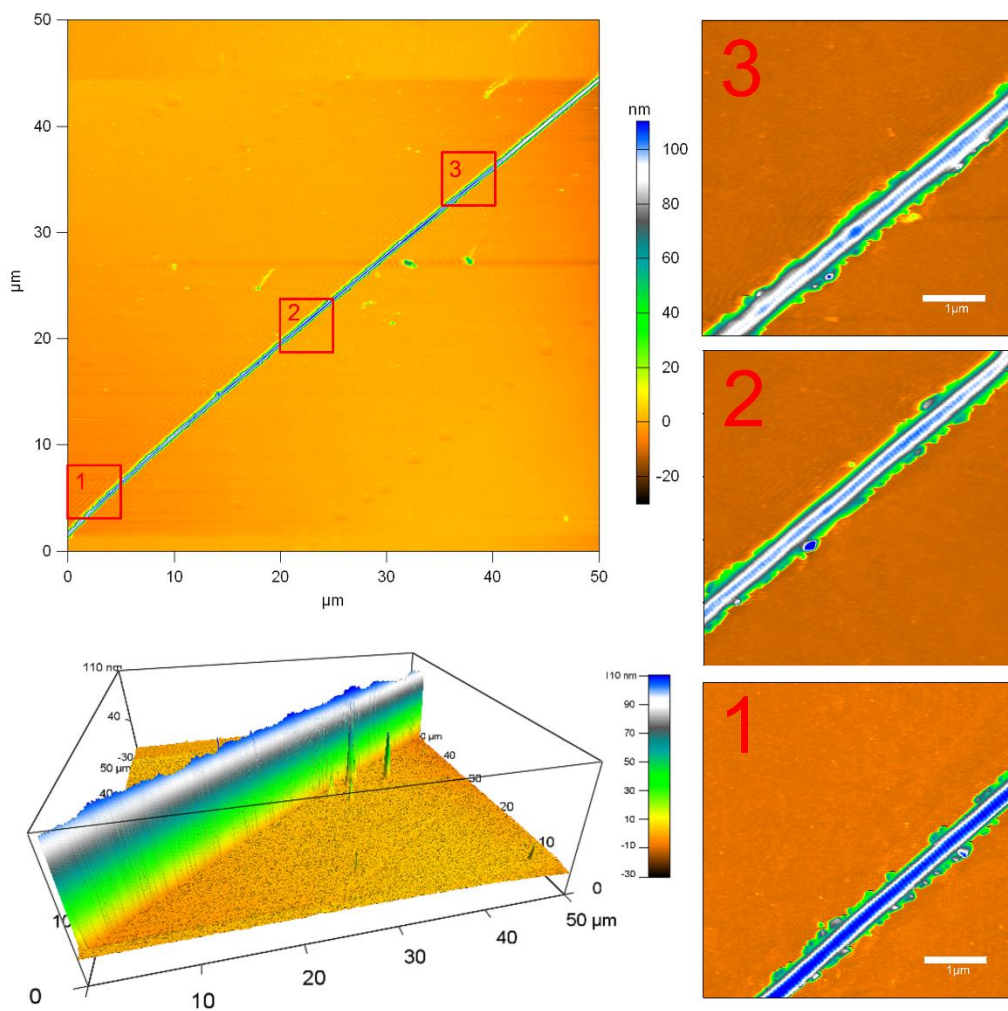

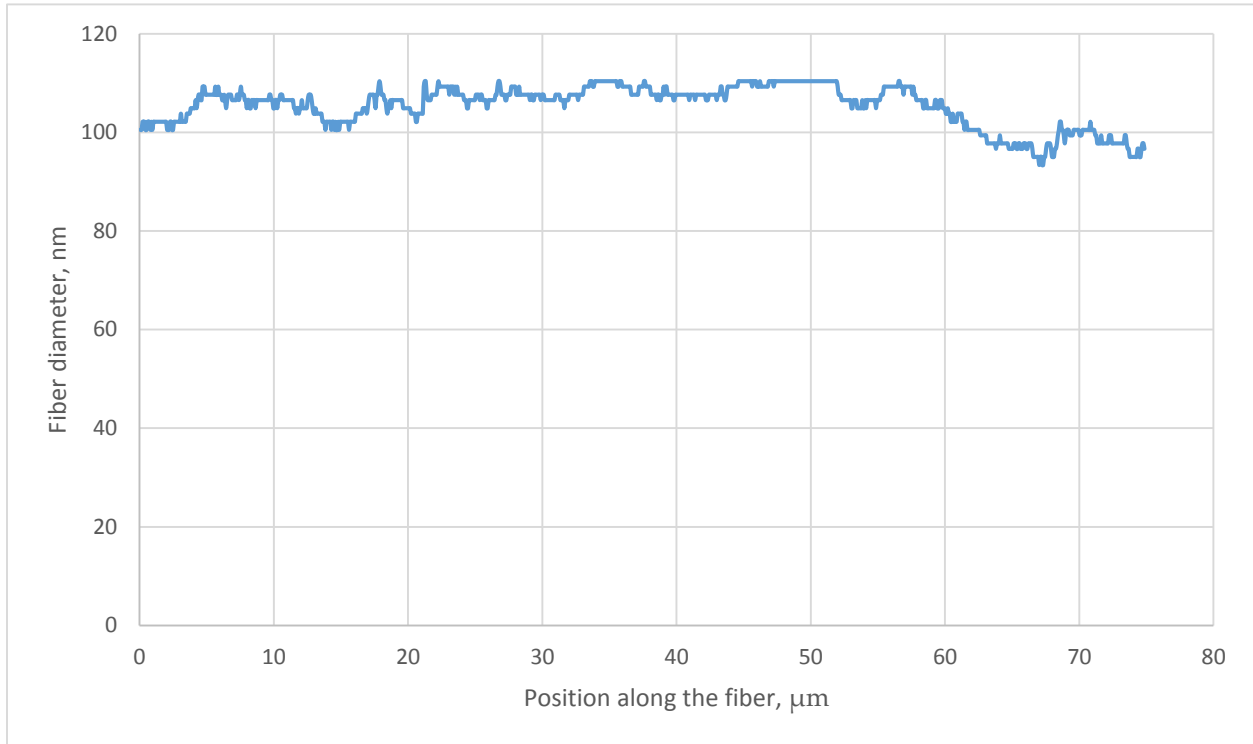**Figure B AFM scan of 75µm section of fiber.**

Figure C Diameter of the fiber.

The projection of the maximum height on the XZ plane is shown on Figure C. The fiber diameter is 105.4±4.2 nm.