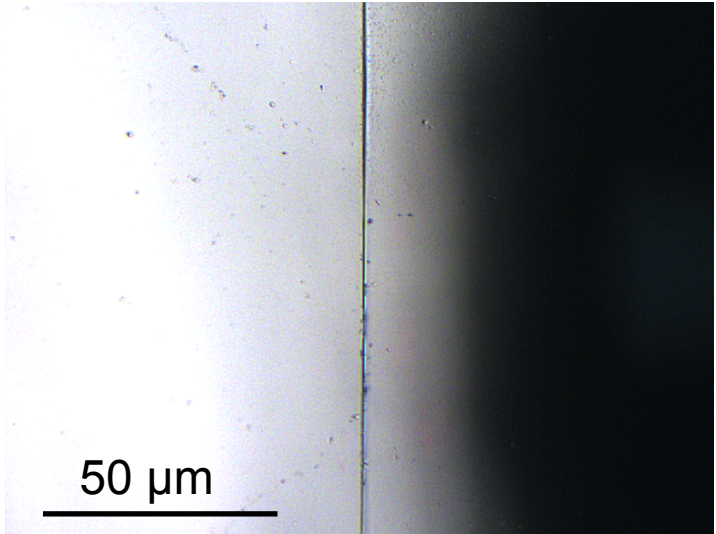
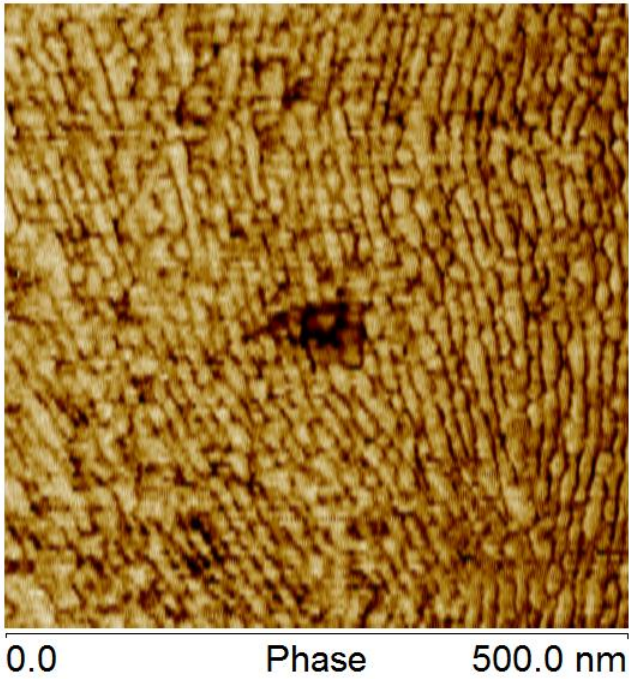
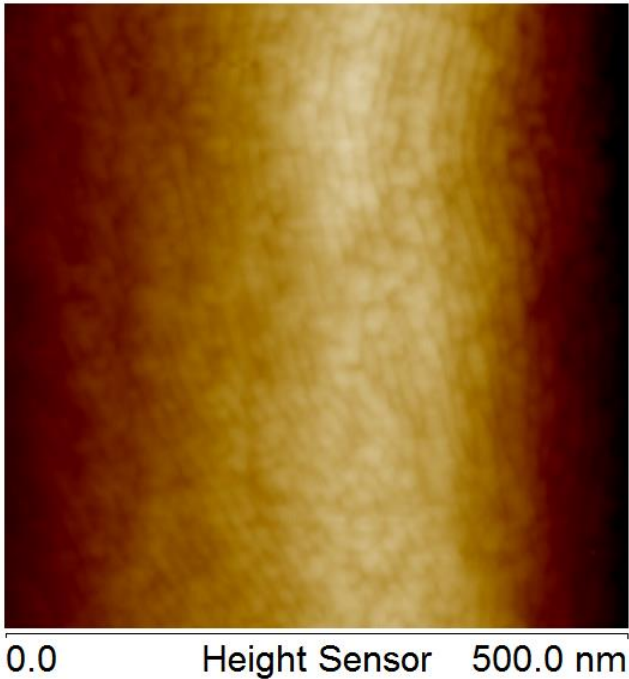
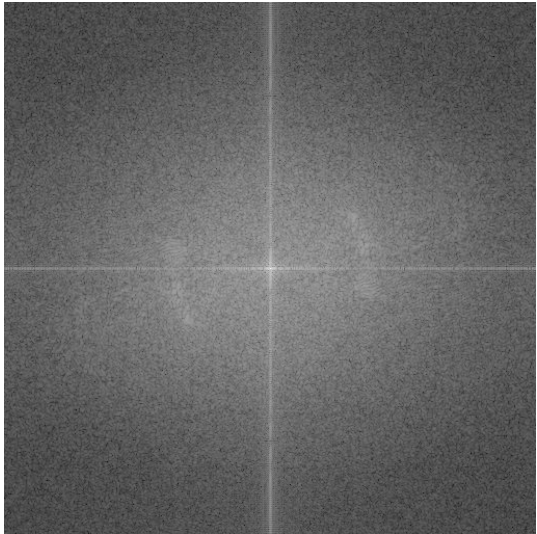


Figure S9 – Individual 1, Stretched, Fiber 1, Image 1, 2017/12/18



Sample



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Figure S10 – Individual 1, Stretched, Fiber 1, Image 2, 2017/12/18

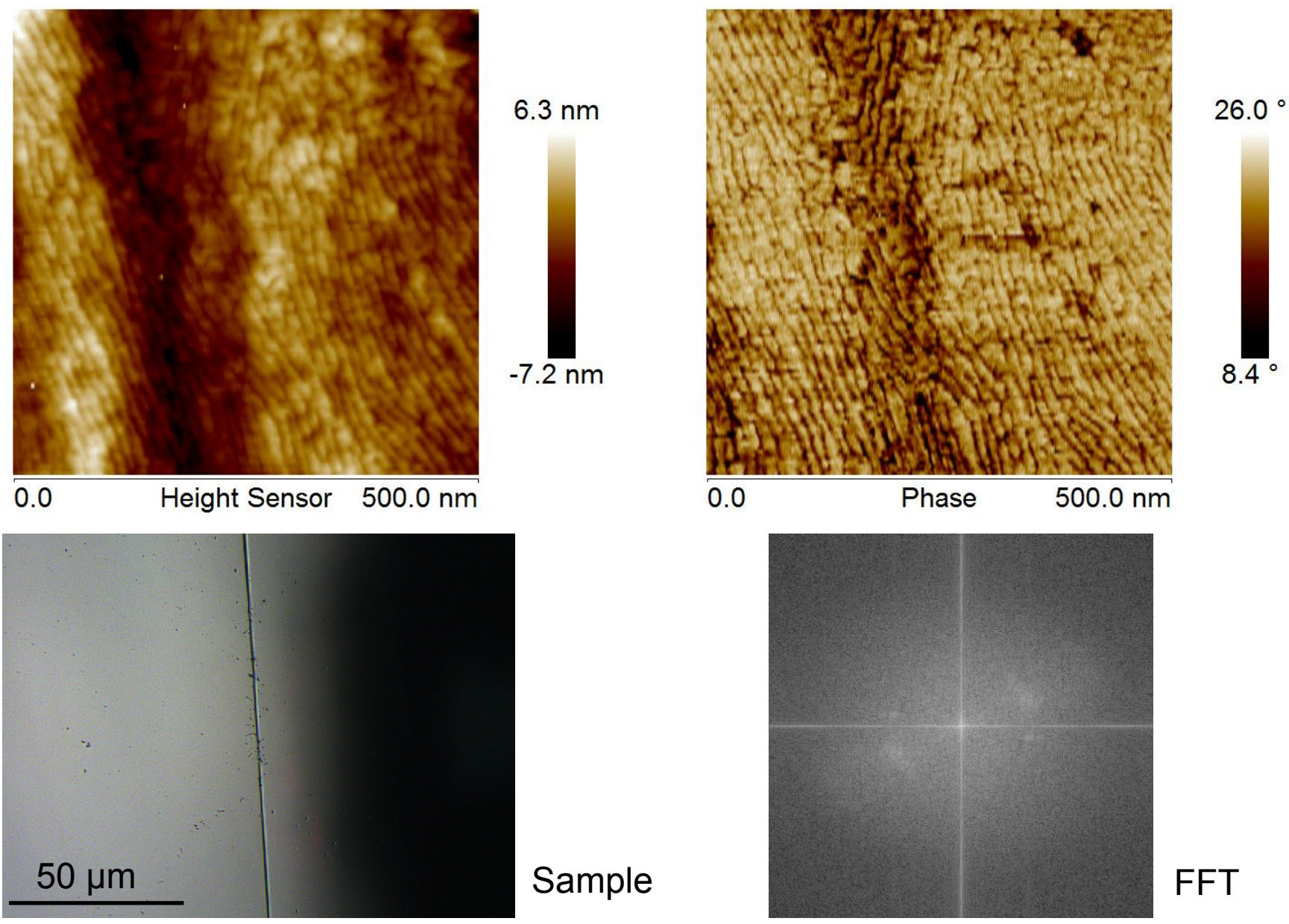


Figure S11 – Individual 1, Stretched, Fiber 1, Image 3, 2017/12/18

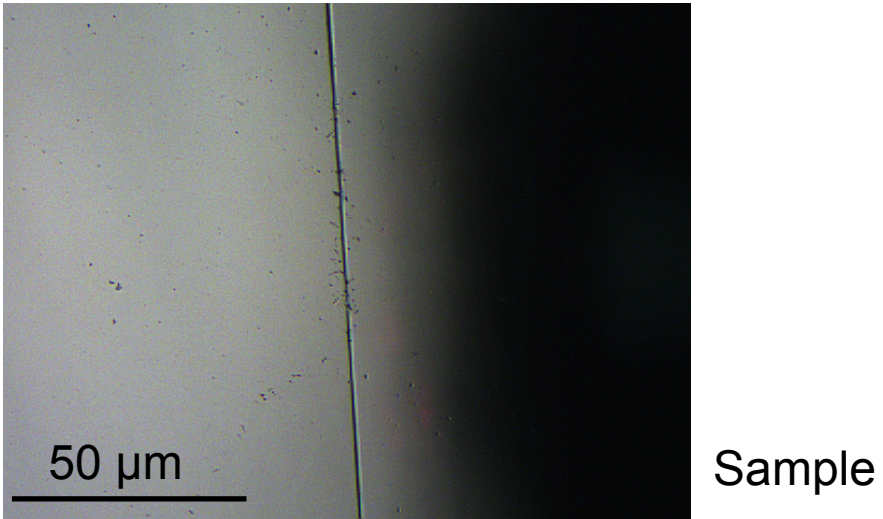
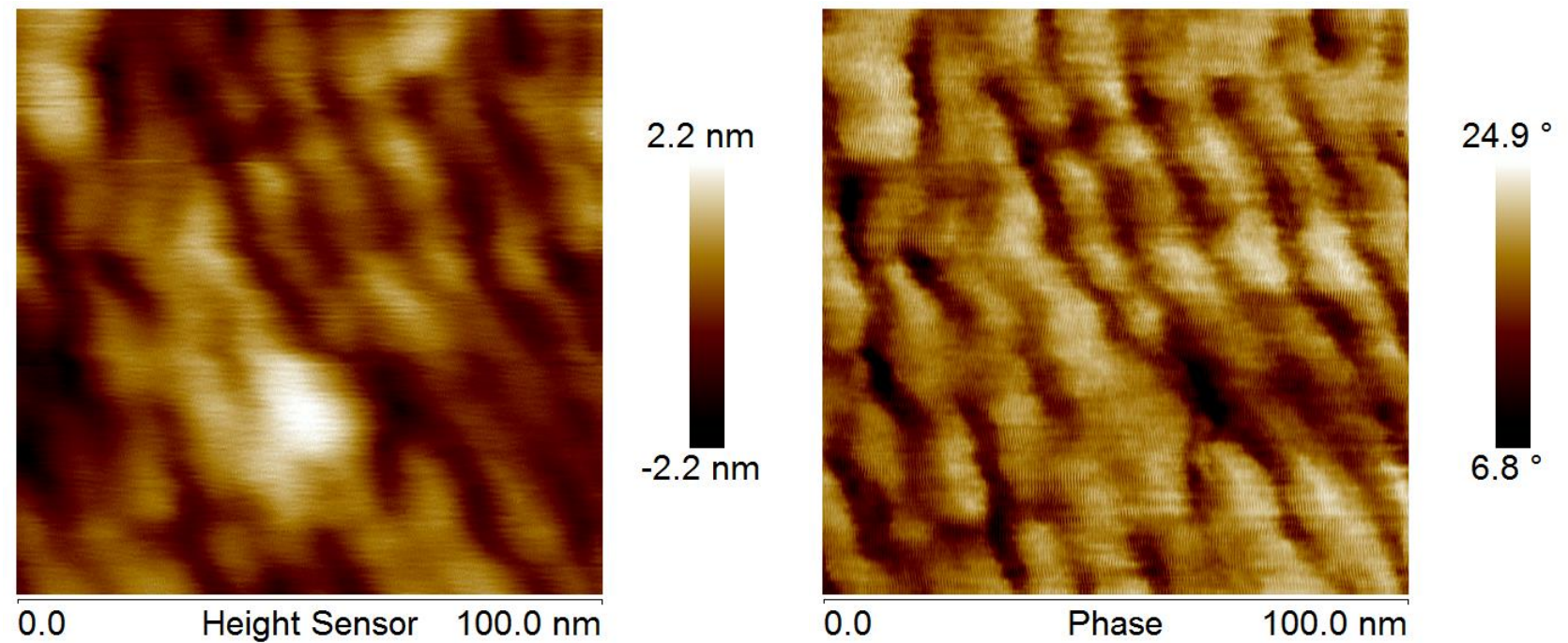


Figure S12 – Individual 1, Unstretched, Fiber 2, Image 4, 2017/12/18

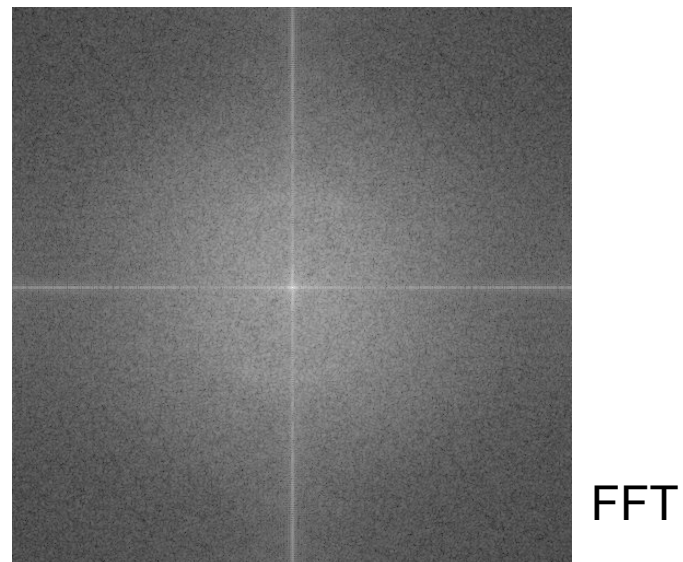
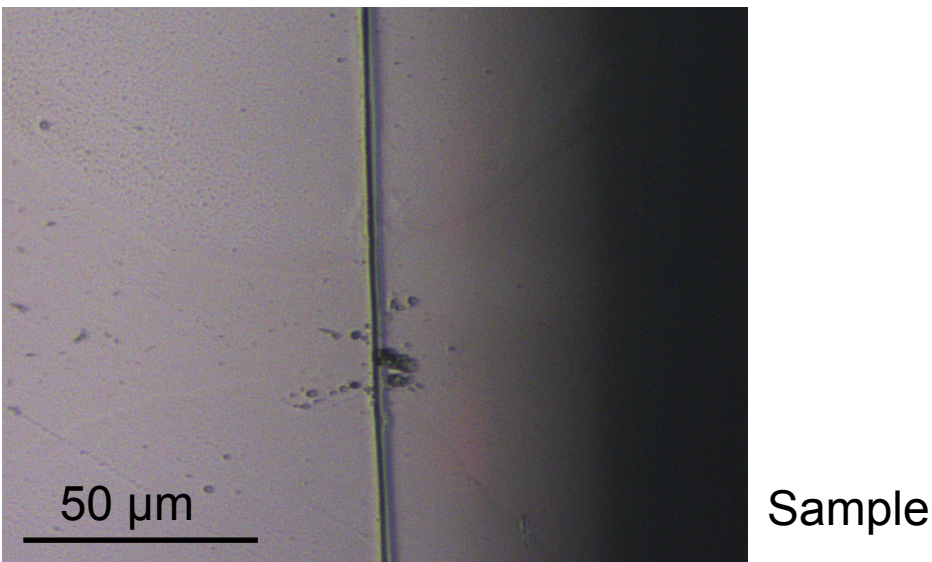
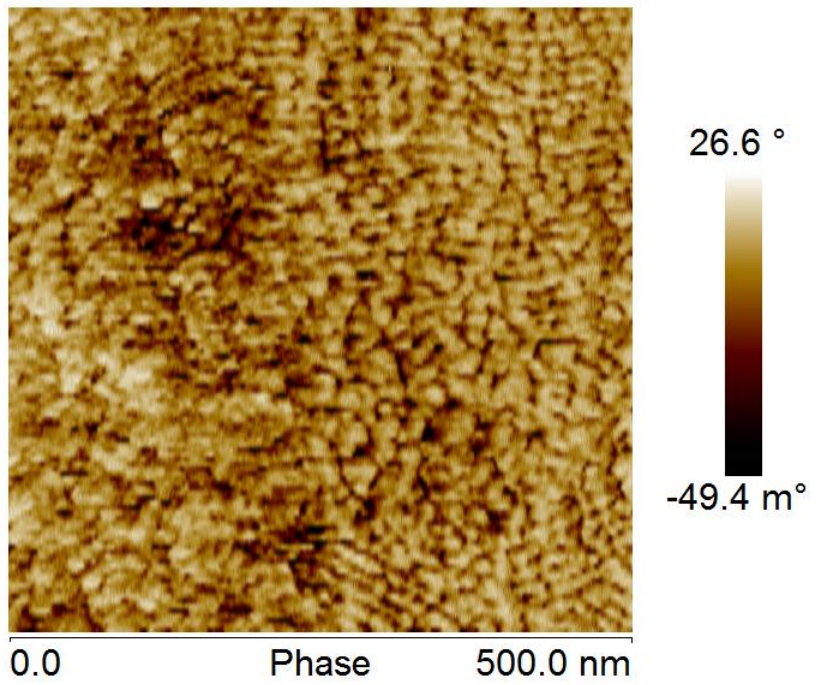
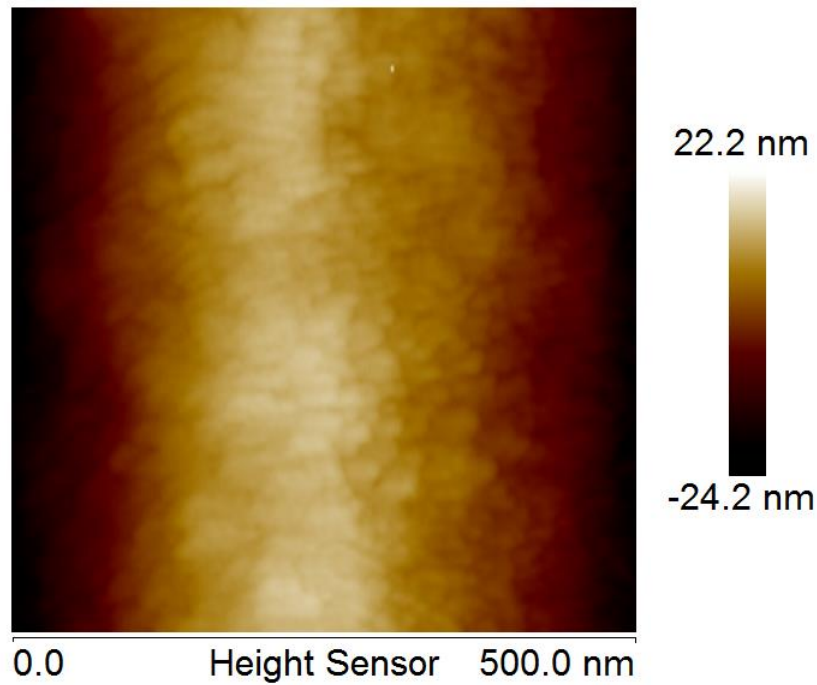


Figure S13 – Individual 1, Unstretched, Fiber 2, Image 5, 2017/12/18

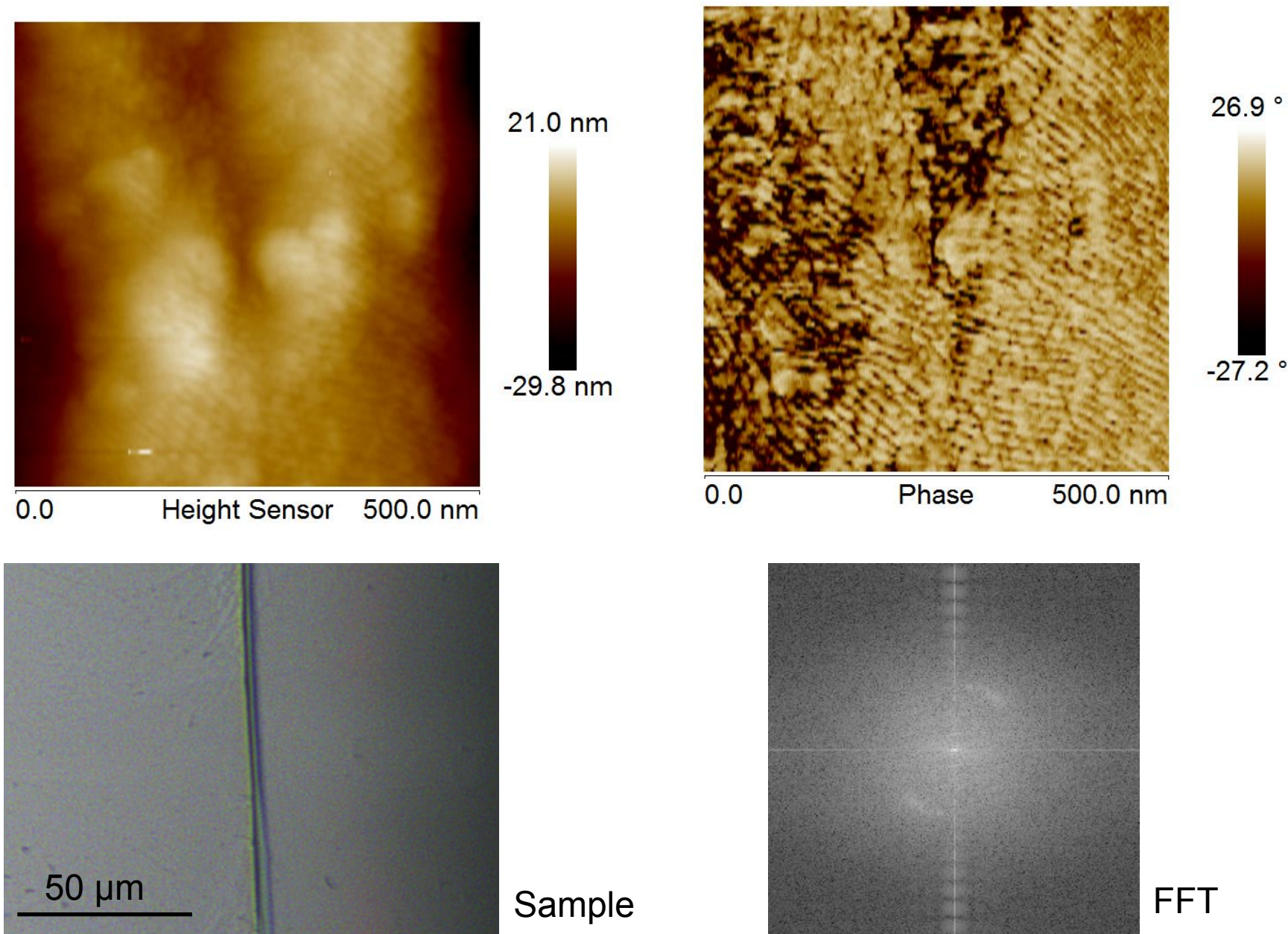
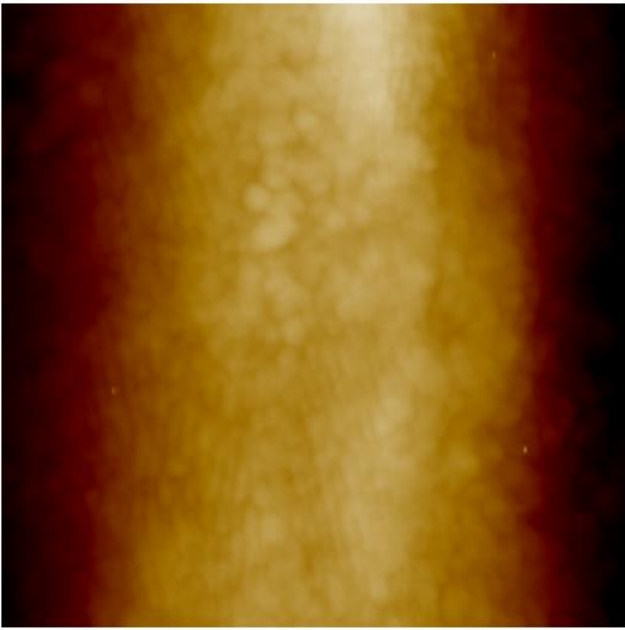
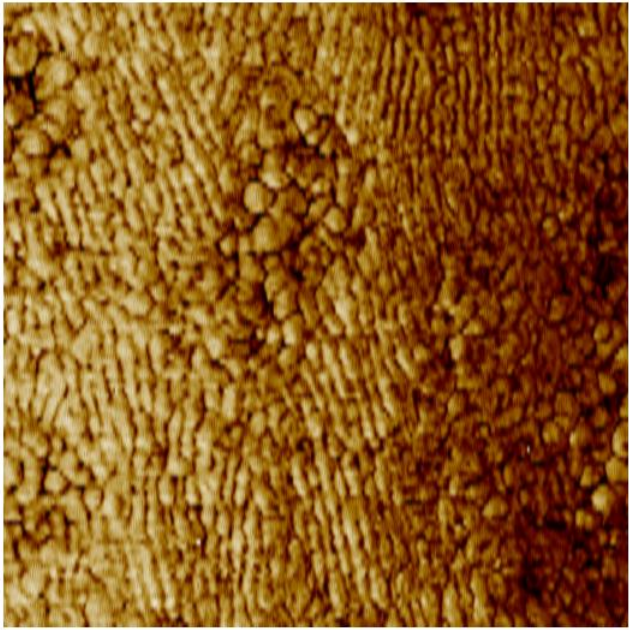


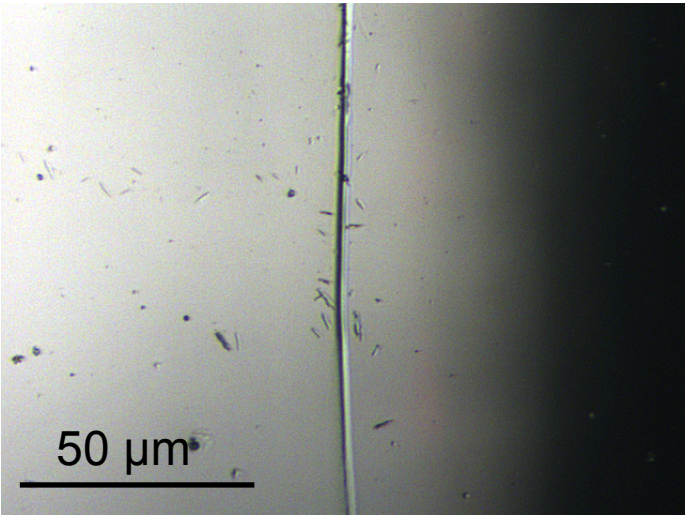
Figure S14 – Individual 1, Unstretched, Fiber 2, Image 6, 2017/12/18



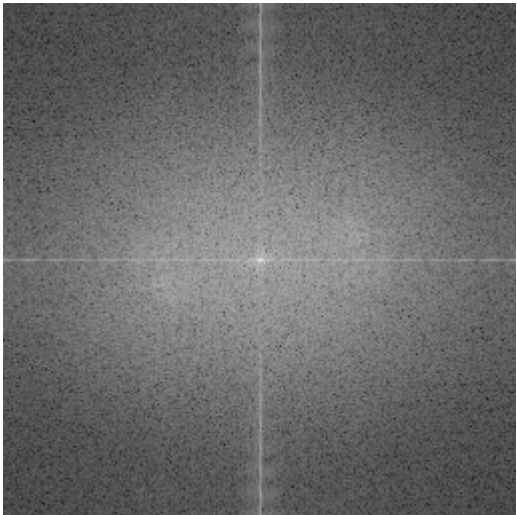
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



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Figure S15 – Individual 1, Unstretched, Fiber 2, Image 7, 2017/12/18

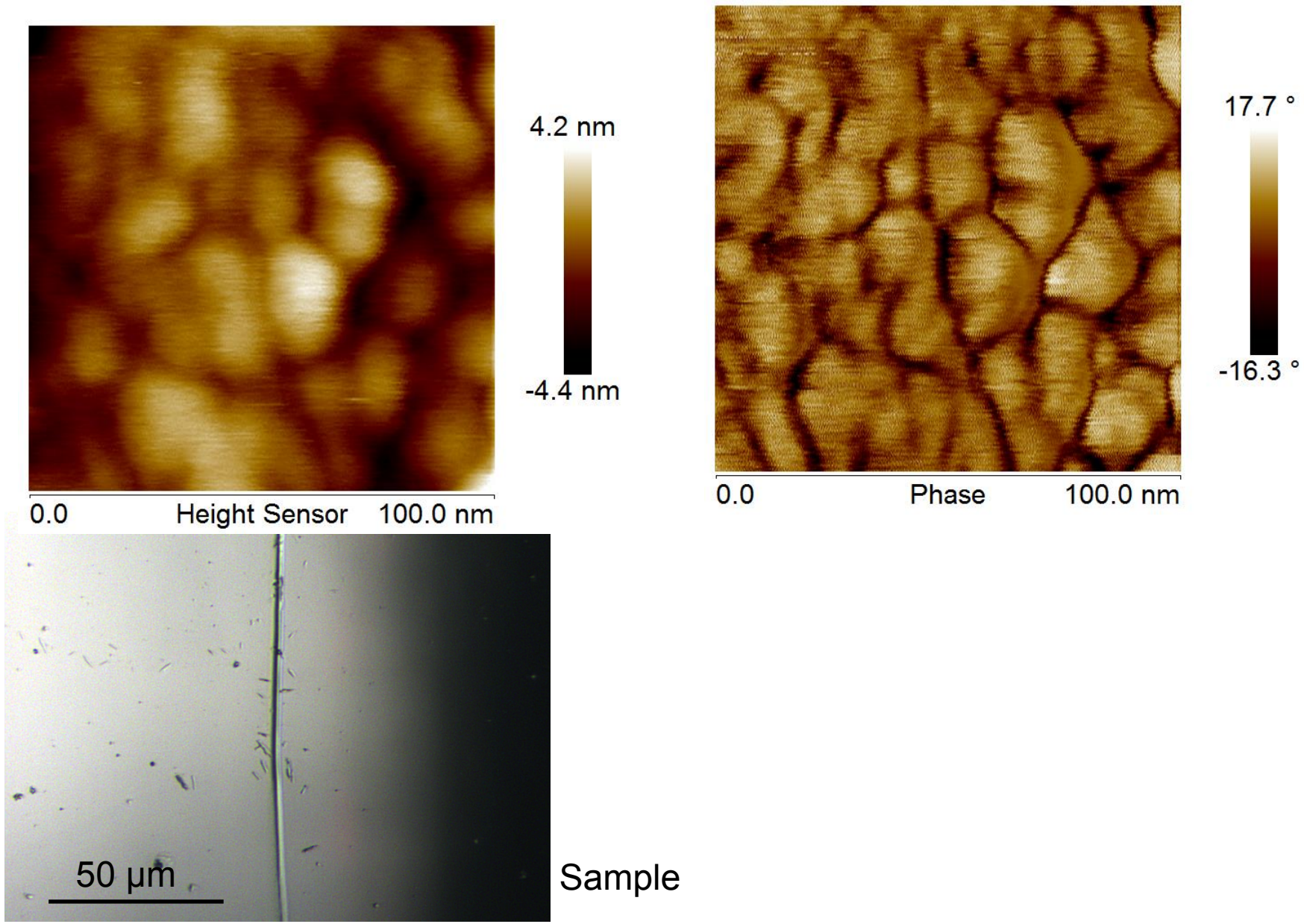


Figure S16 – Individual 1, Unstretched, Fiber 2, Image 8, 2017/12/18

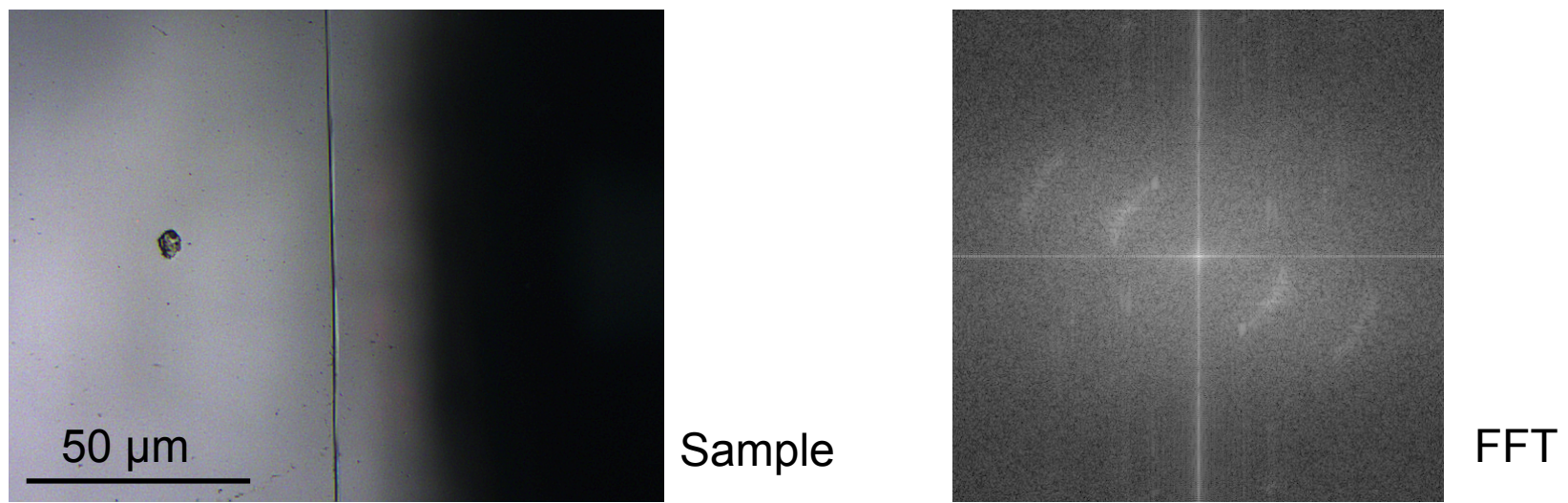
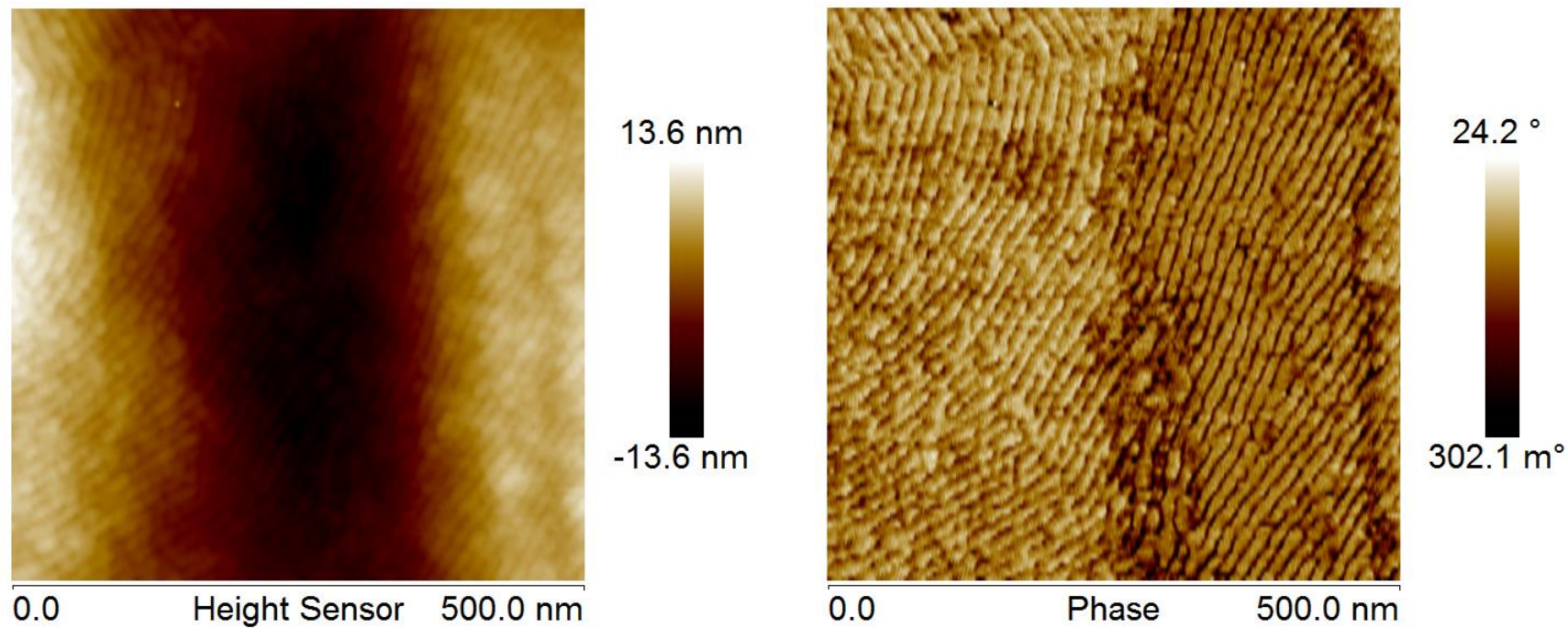
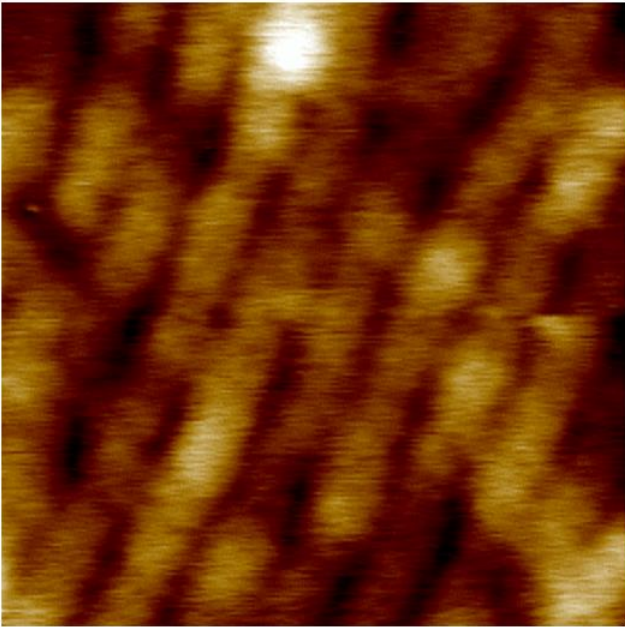
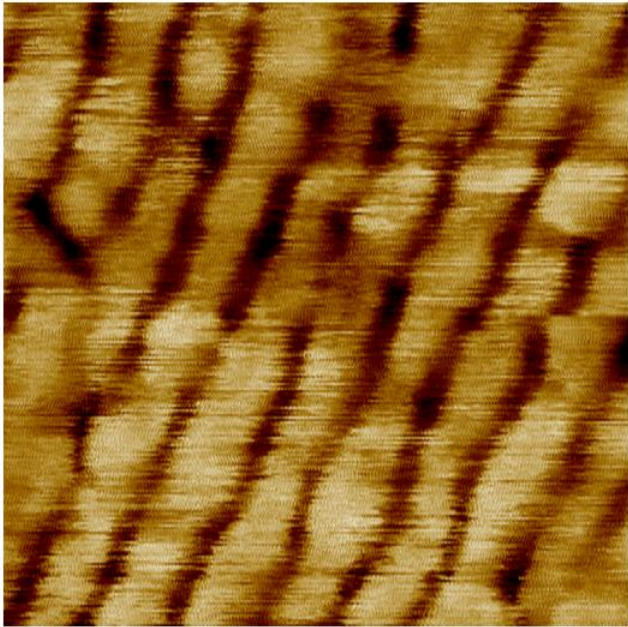


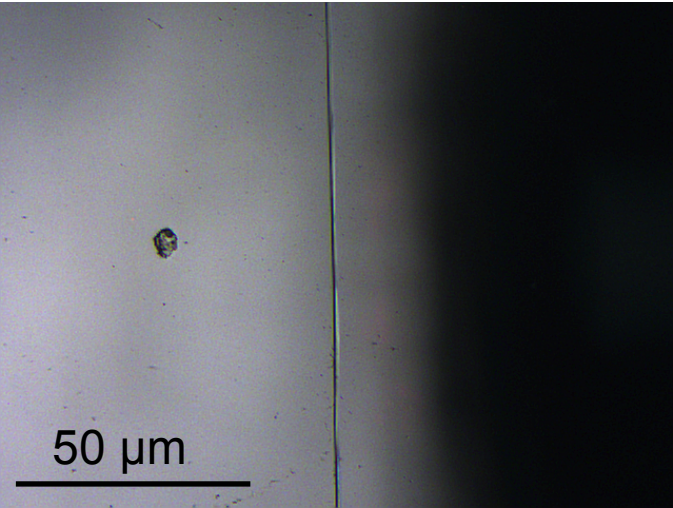
Figure S17 – Individual 1, Unstretched, Fiber 2, Image 9, 2017/12/18



0.0 Height Sensor 100.0 nm

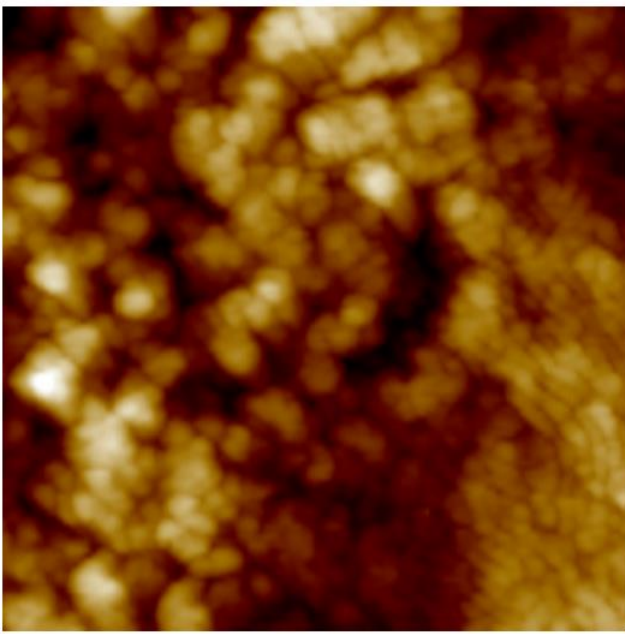


0.0 Phase 100.0 nm

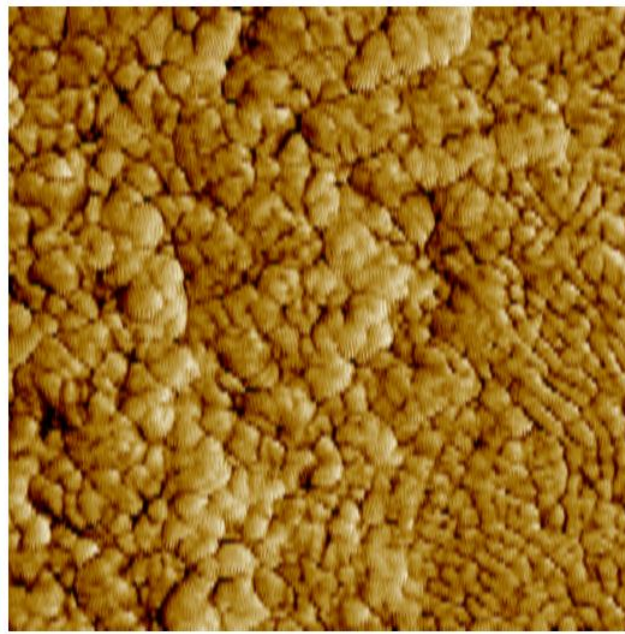


Sample

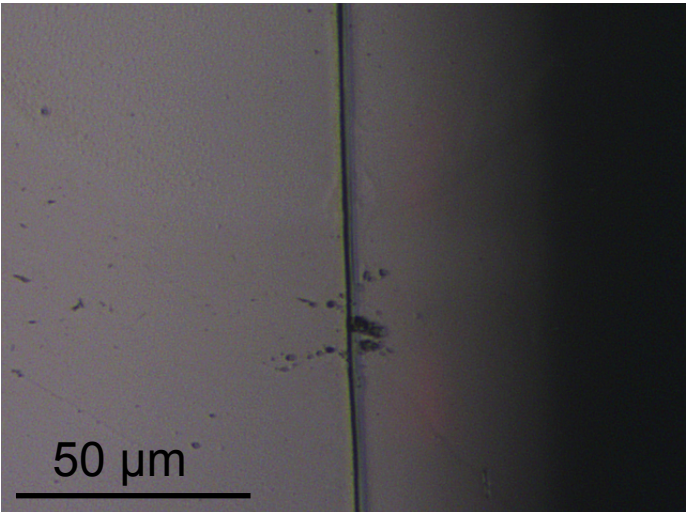
Figure S18 – Individual 1, Unstretched, Fiber 2, Image 10, 2017/12/18



0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample

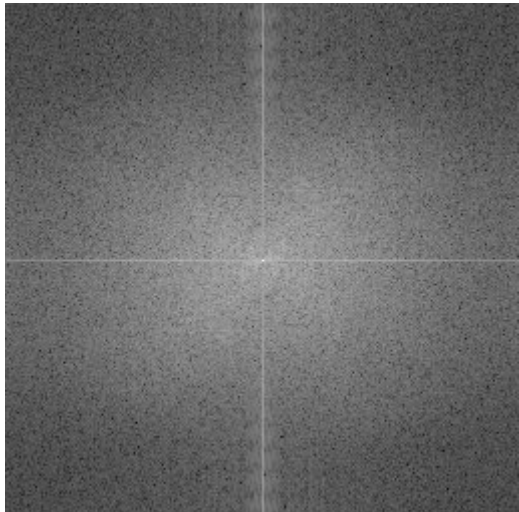
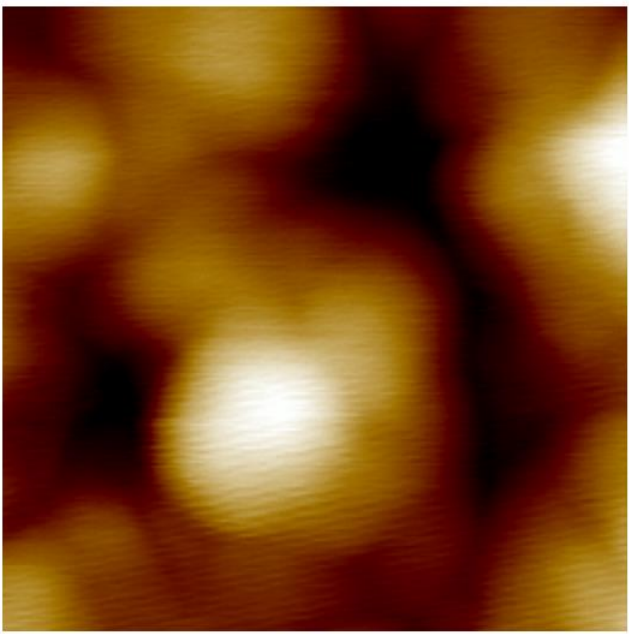
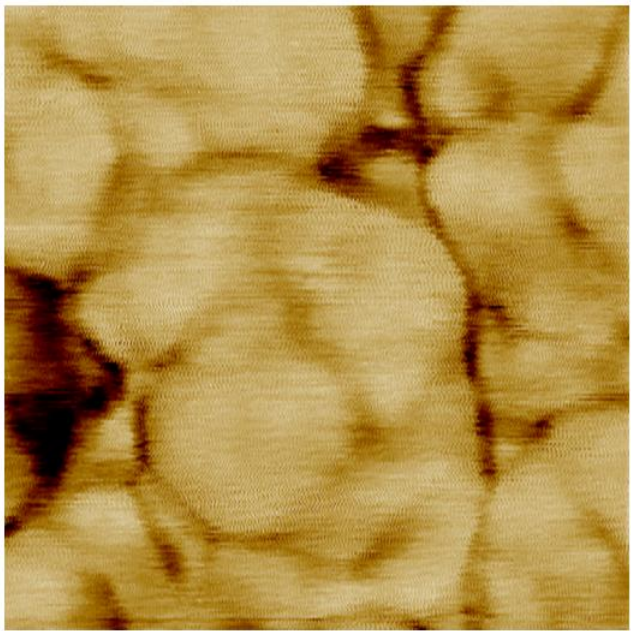


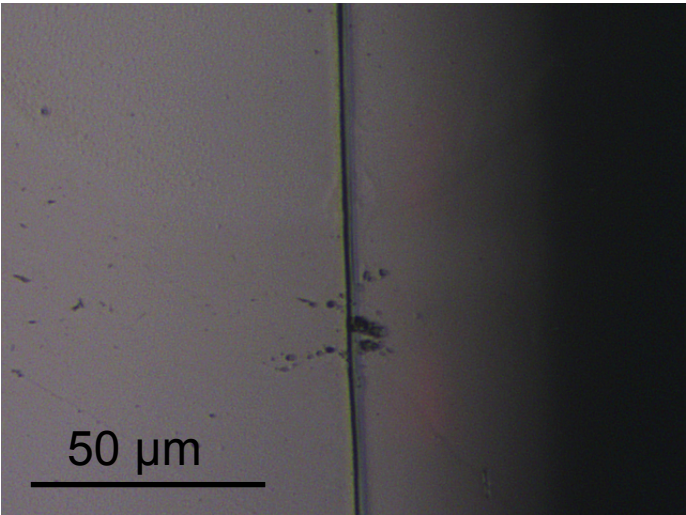
Figure S19 – Individual 1, Unstretched, Fiber 2, Image 11, 2017/12/18



0.0 Height Sensor 100.0 nm

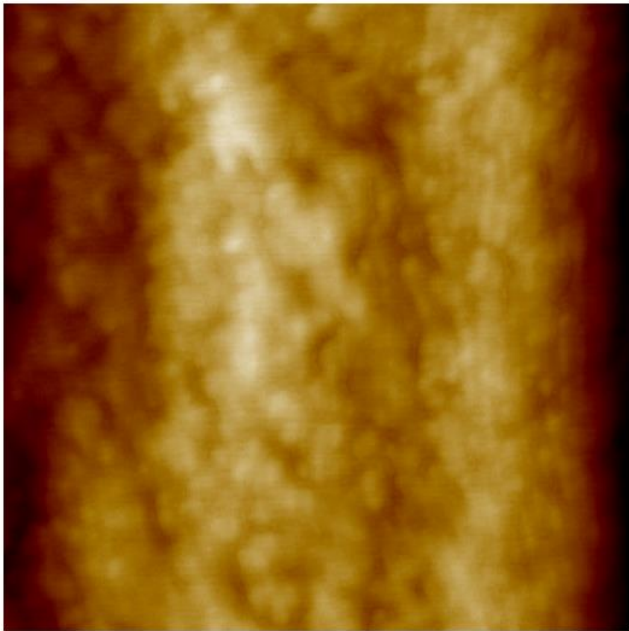


0.0 Phase 100.0 nm

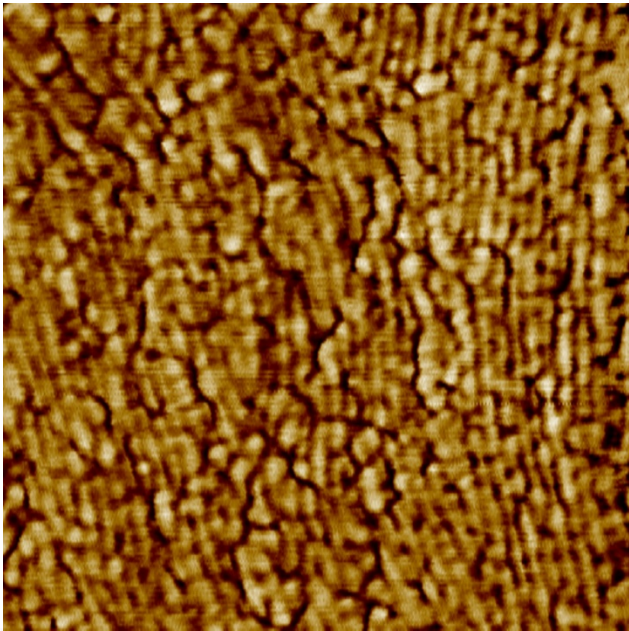


Sample

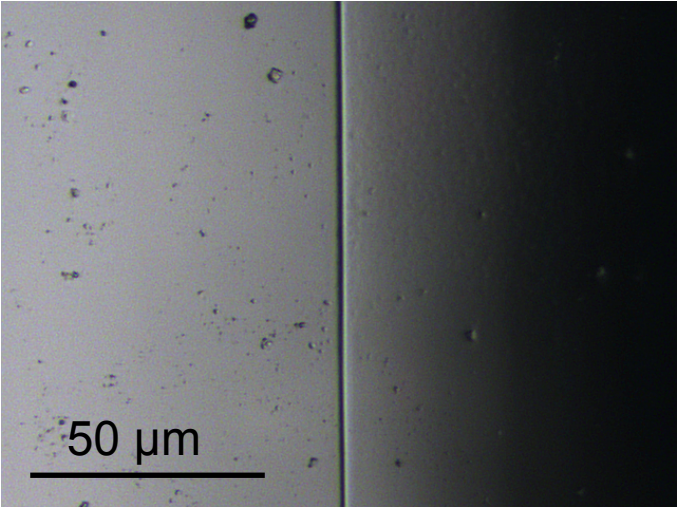
Figure S20 – Individual 2, Stretched, Fiber 3, Image 12



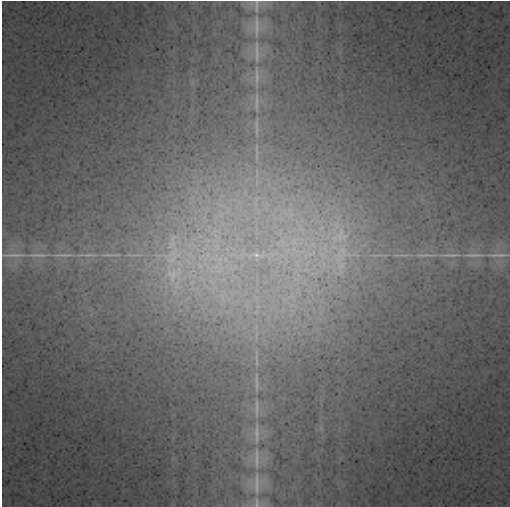
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

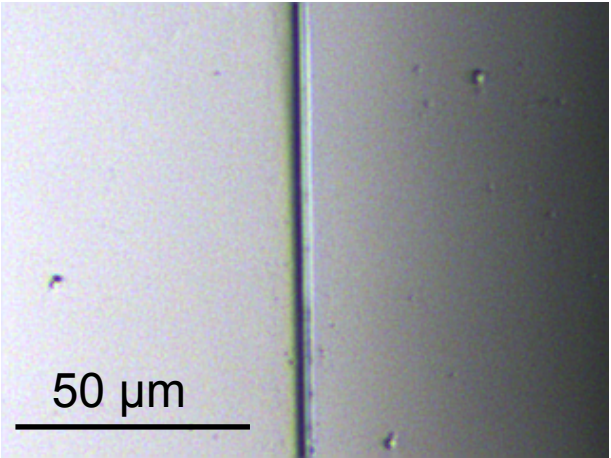
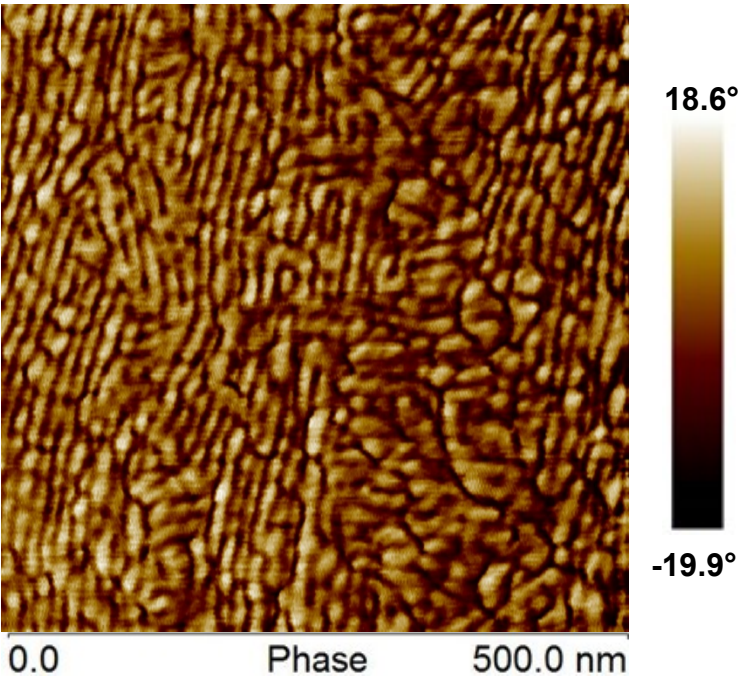
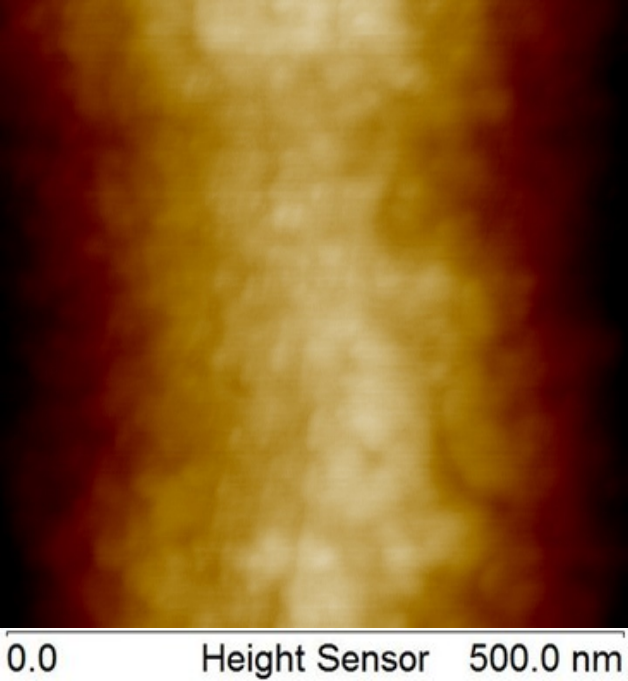


Sample

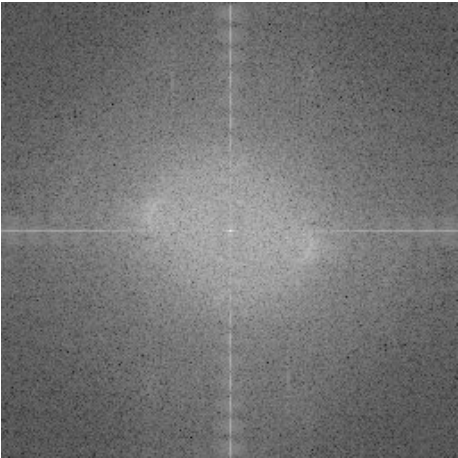


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Figure S21 – Individual 2, Stretched, Fiber 3, Image 13, 2018/01/26

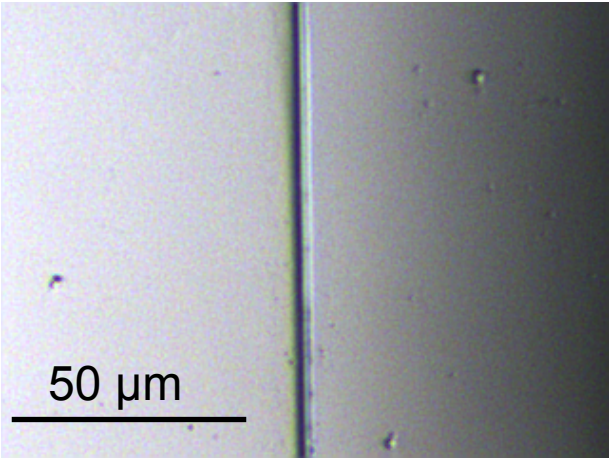
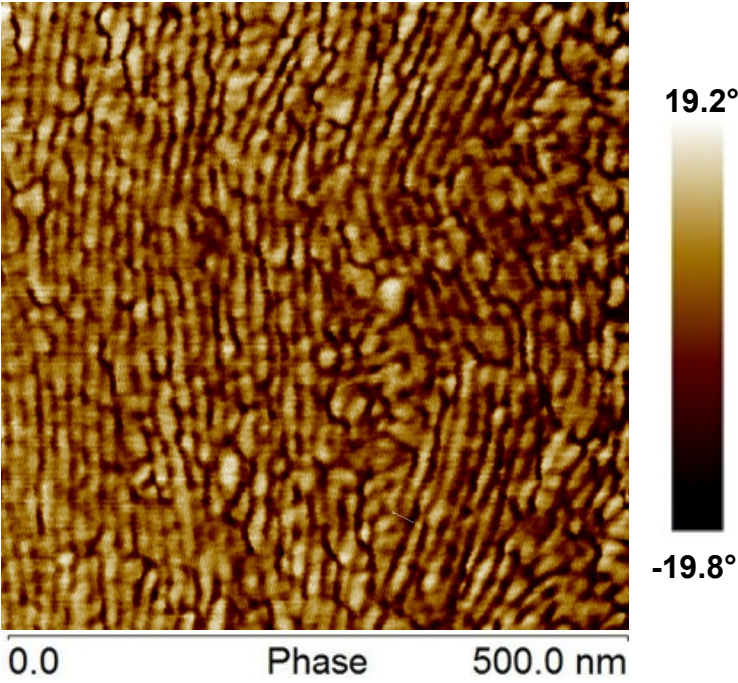
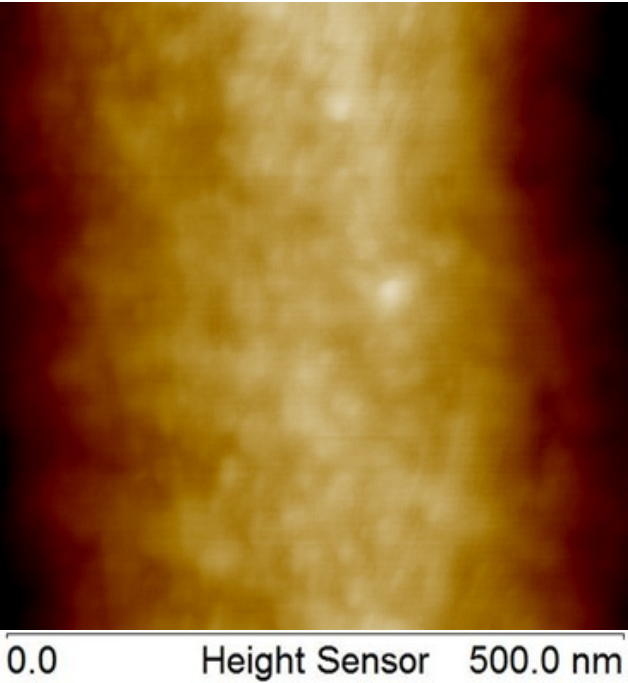


Sample

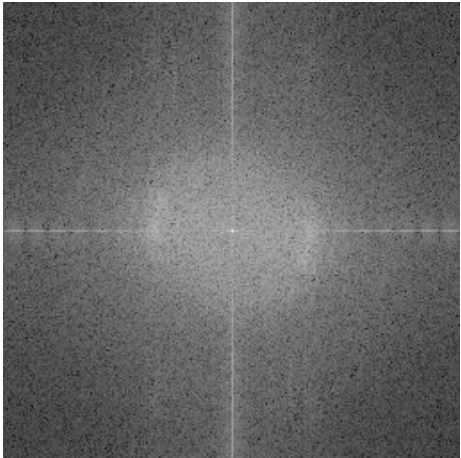


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Figure S22 – Individual 2, Stretched, Fiber 3, Image 14, 2018/01/26



Sample



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Figure S23 – Individual 3, Stretched, Fiber 4, Image 15, 2018/01/26

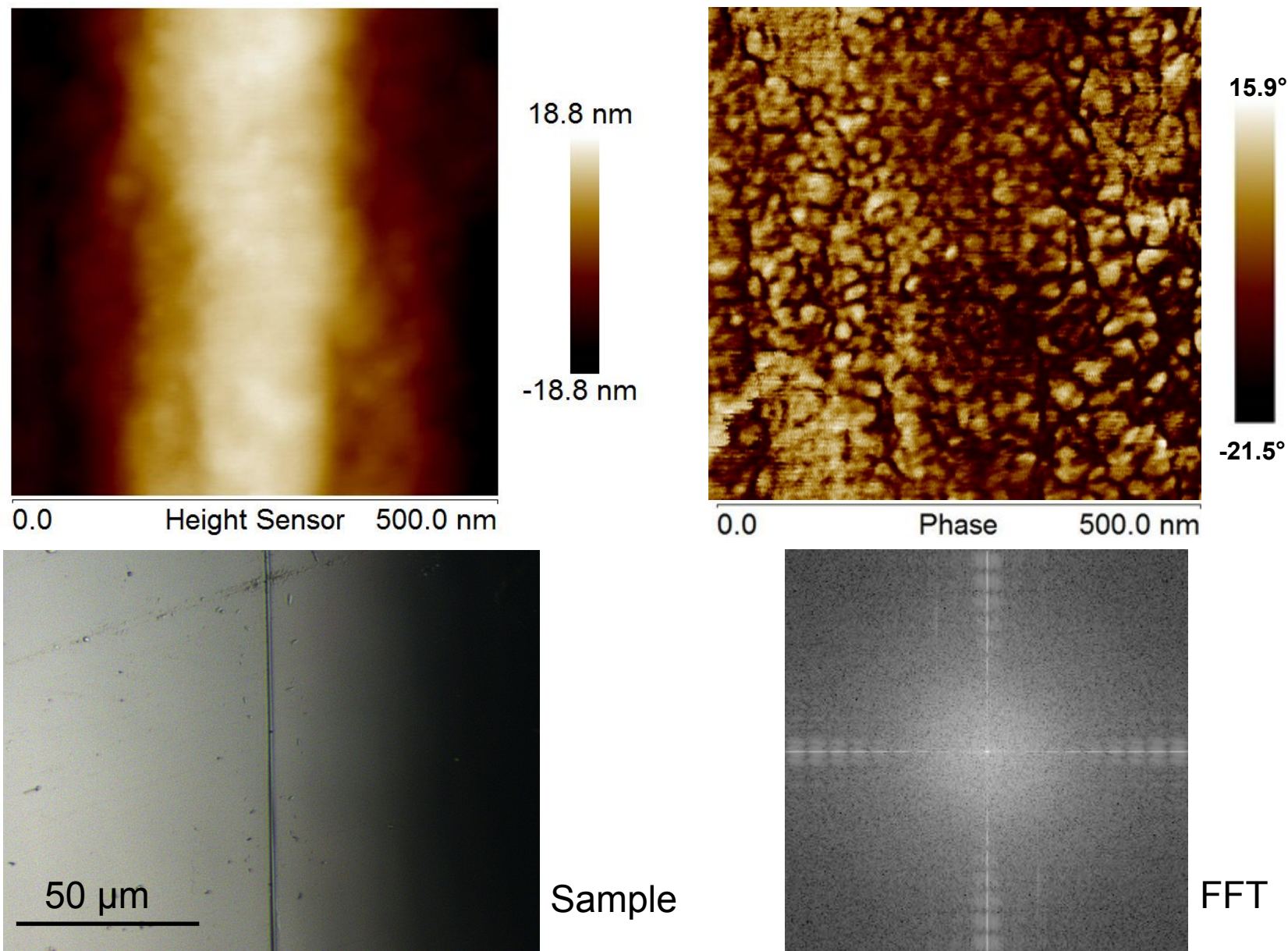
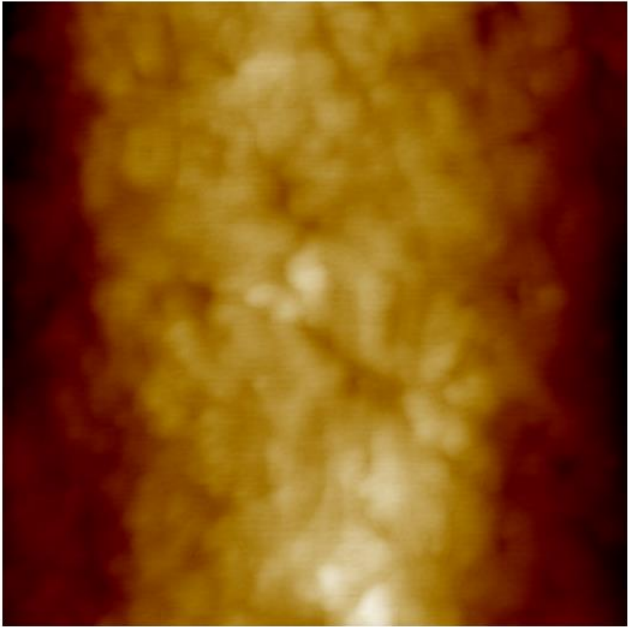
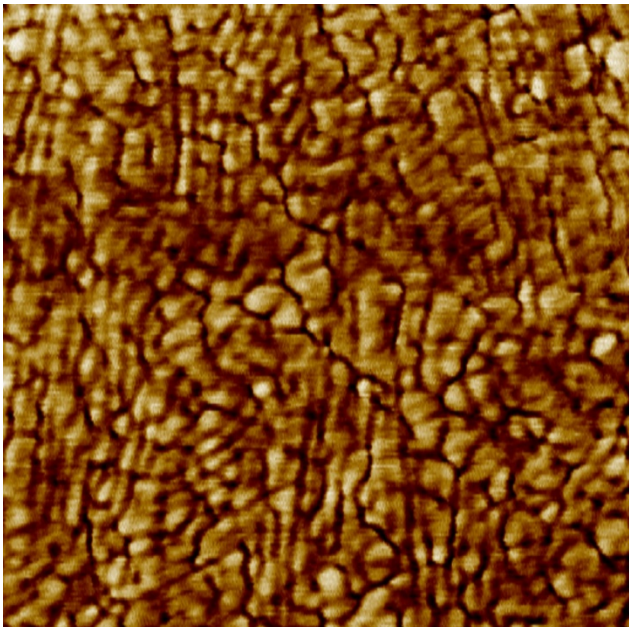


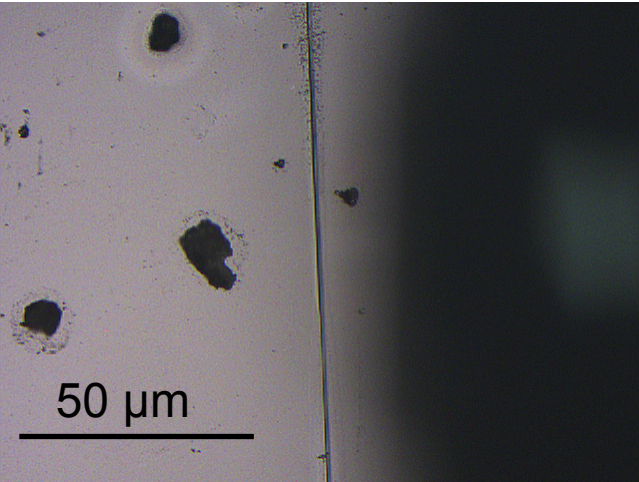
Figure S24 – Individual 3, Stretched, Fiber 4, Image 16, 2018/01/26



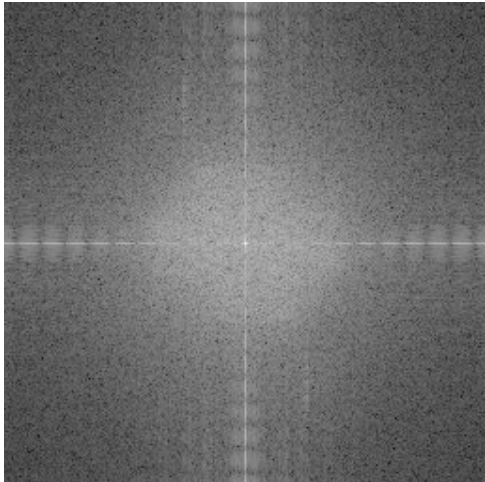
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



FFT

Figure S25 – Individual 3, Stretched, Fiber 4, Image 17, 2018/01/26

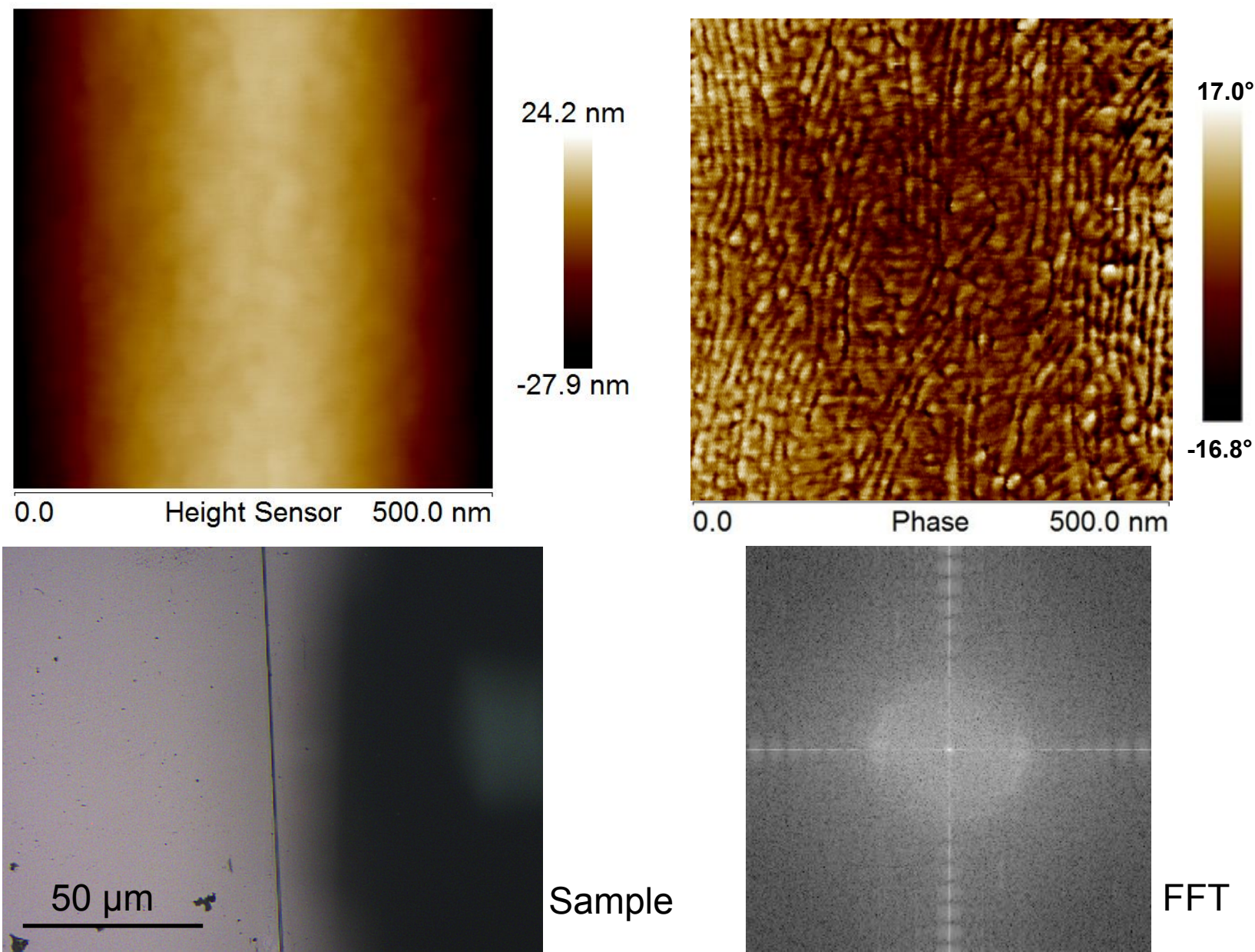


Figure S26 – Individual 3, Stretched, Fiber 4, Image 18, 2018/01/26

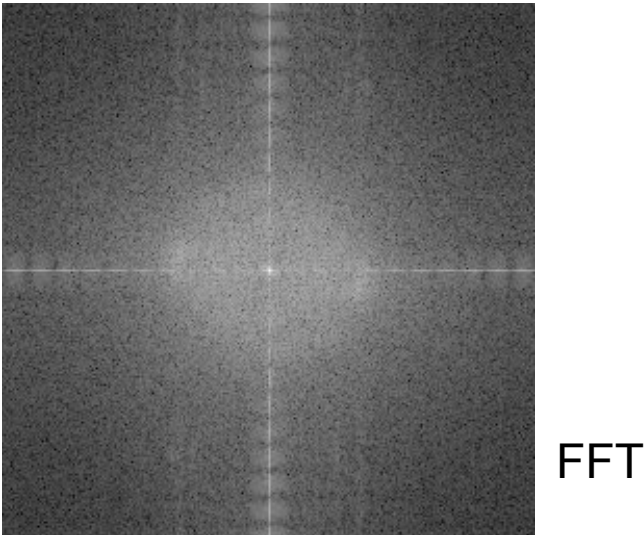
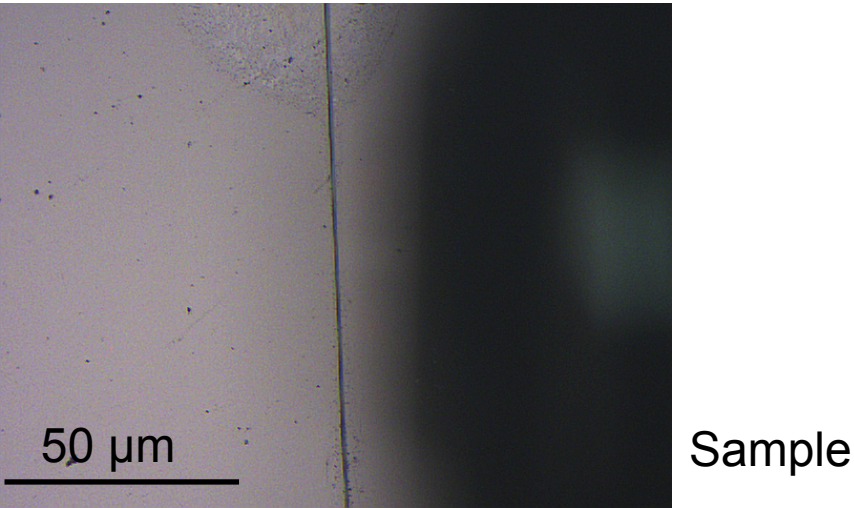
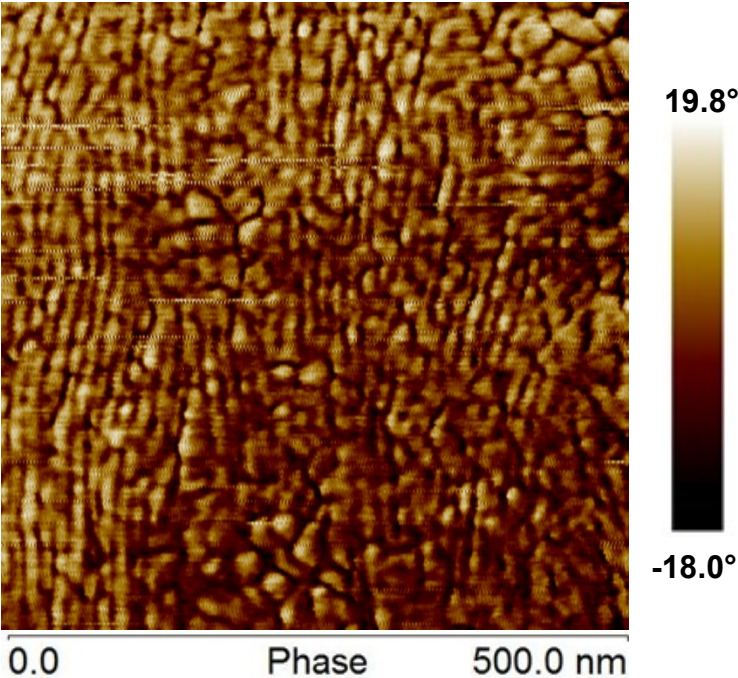
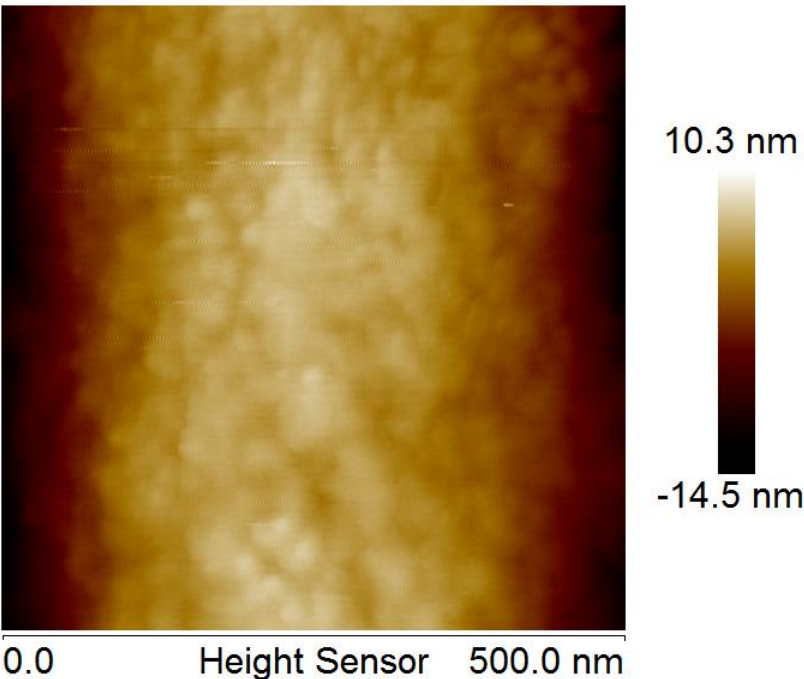
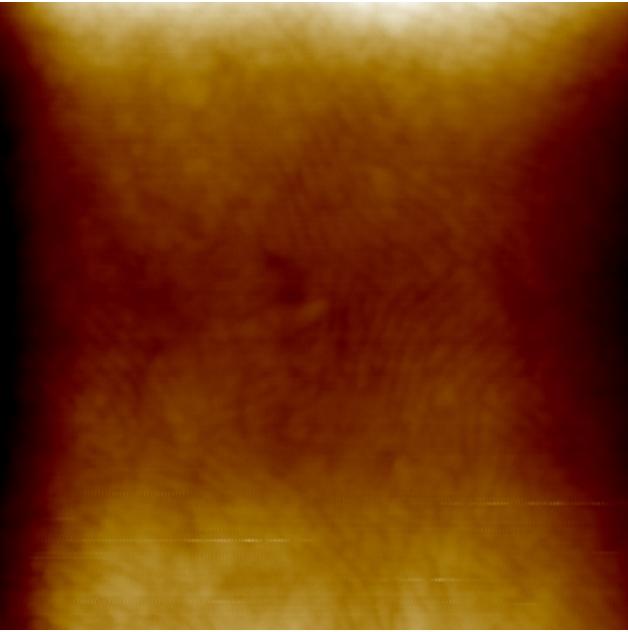
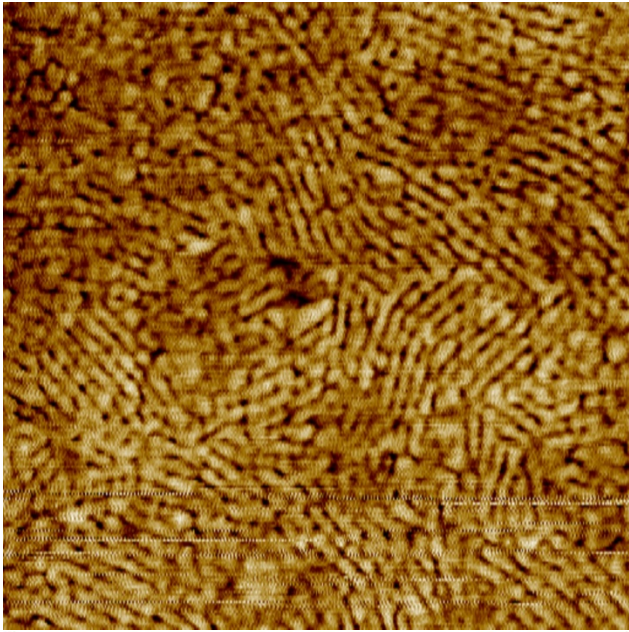


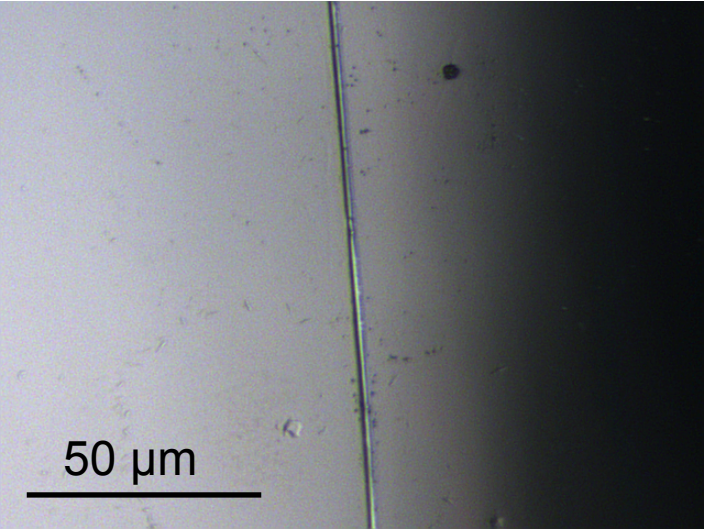
Figure S27 – Individual 2, Unstretched, Fiber 5, Image 19, 2018/01/26



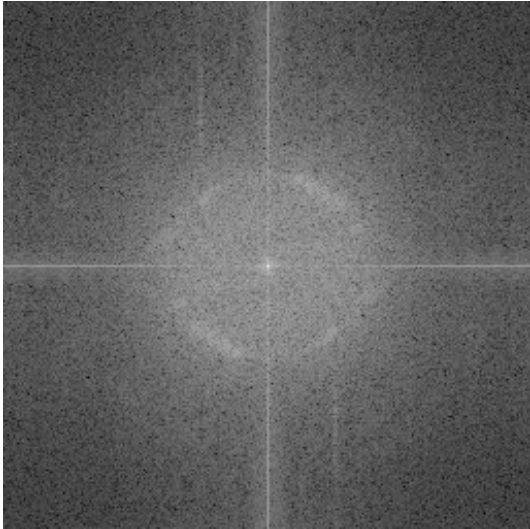
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

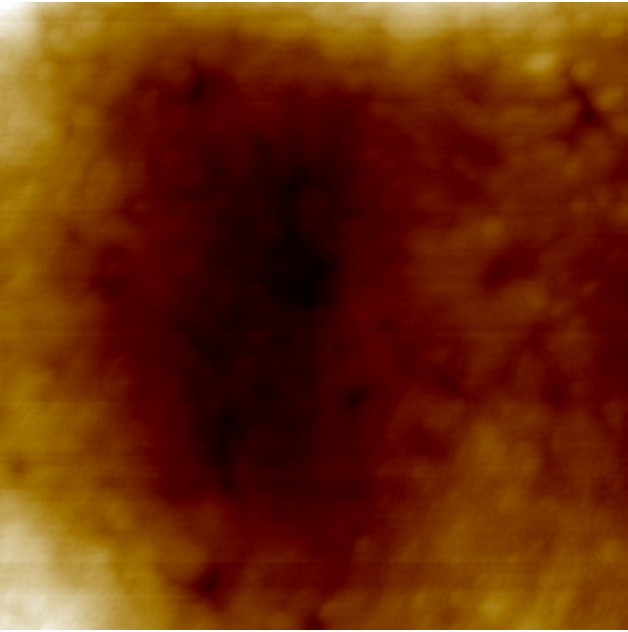


Sample

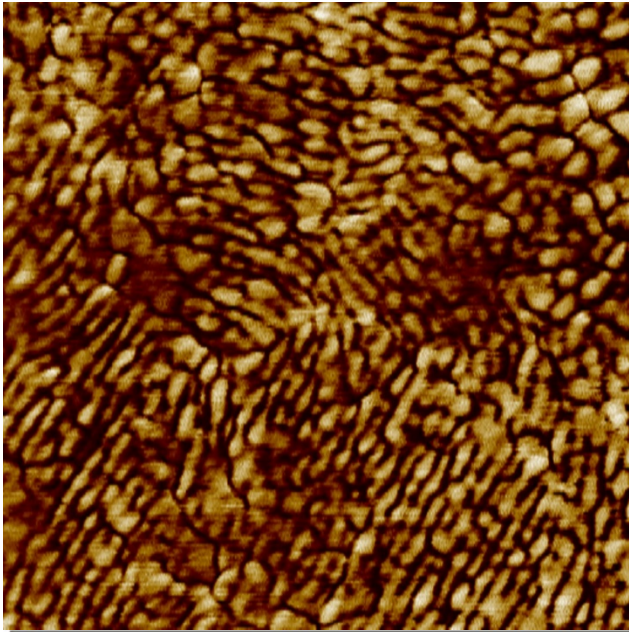


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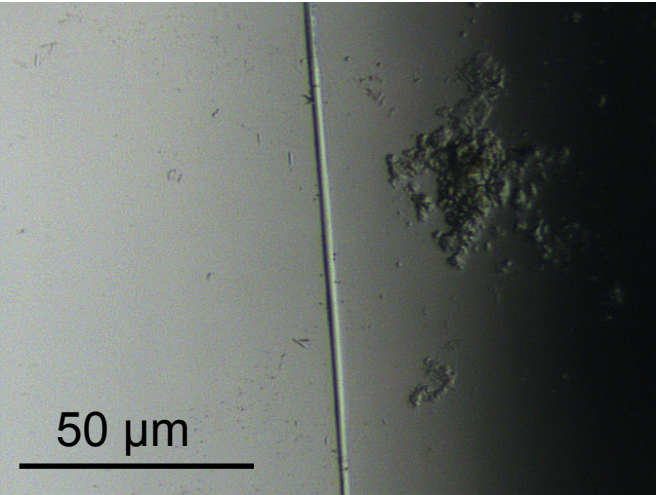
Figure S28 – Individual 2, Unstretched, Fiber 5, Image 20, 2018/01/26



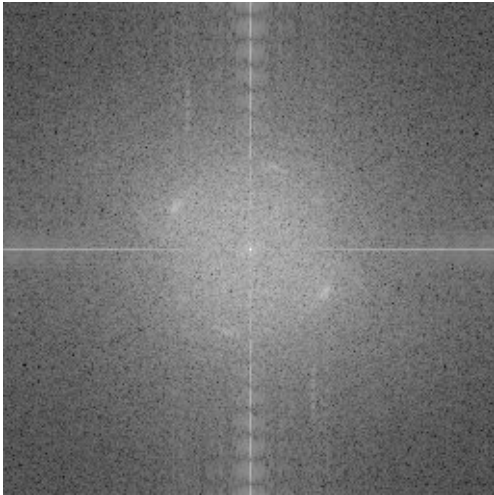
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



FFT

Figure S29 – Individual 2, Stretched, Fiber 5, Image 21, 2018/01/26

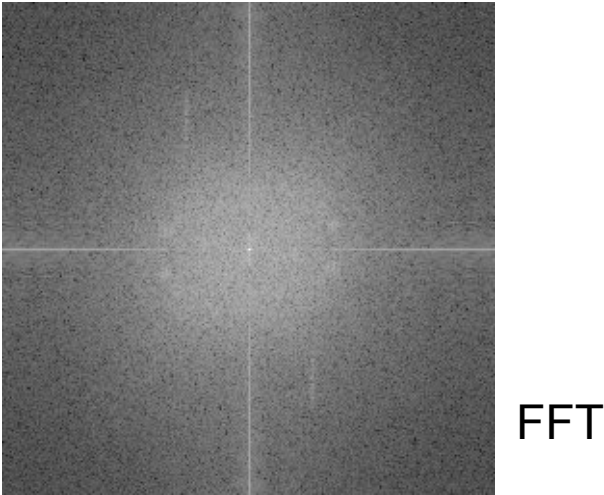
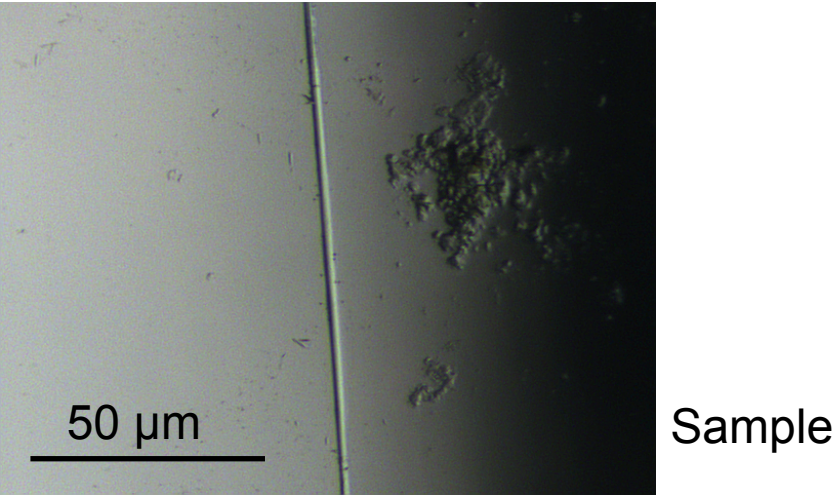
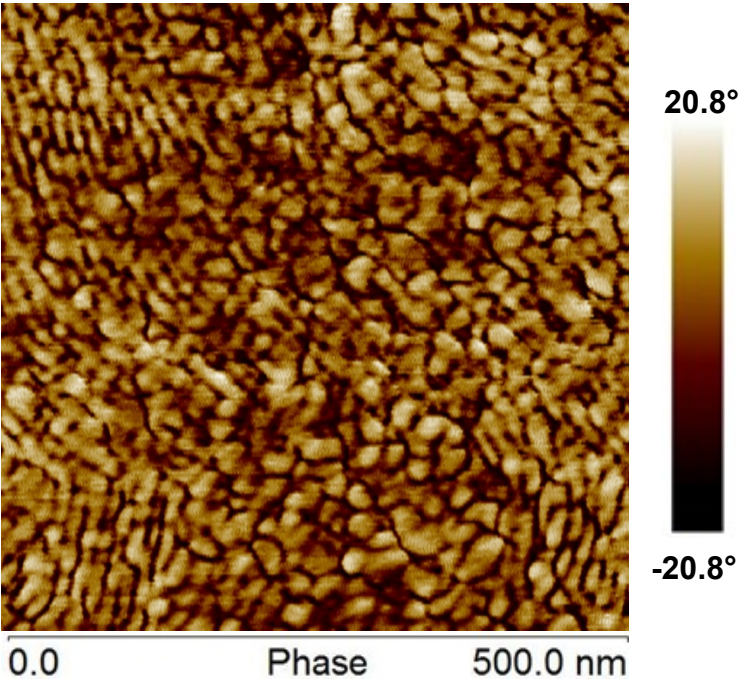
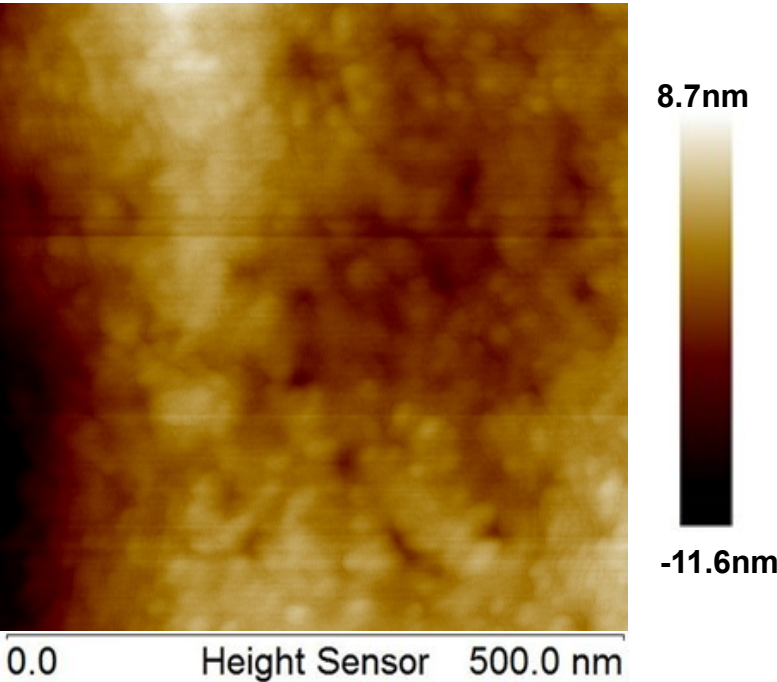


Figure S30 – Individual 2, Unstretched, Fiber 5, Image 22, 2018/01/26

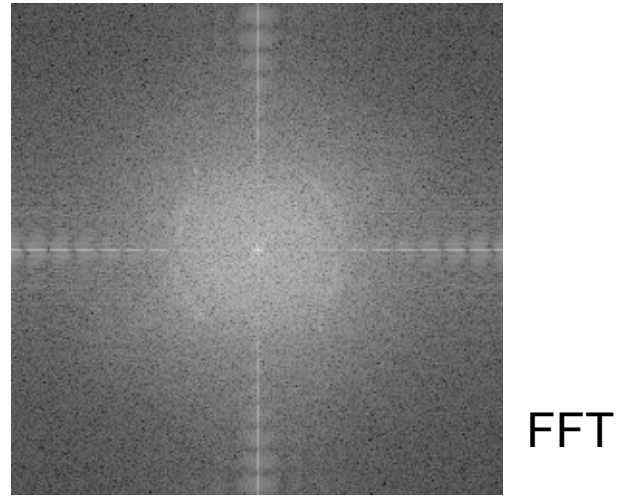
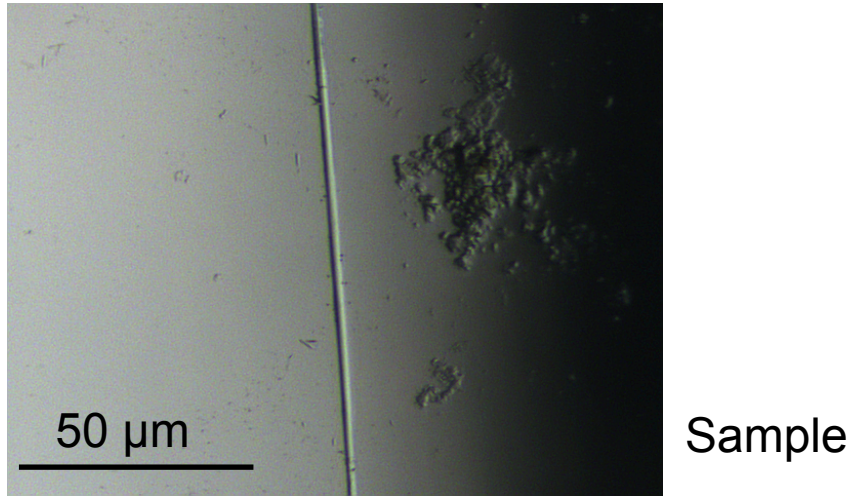
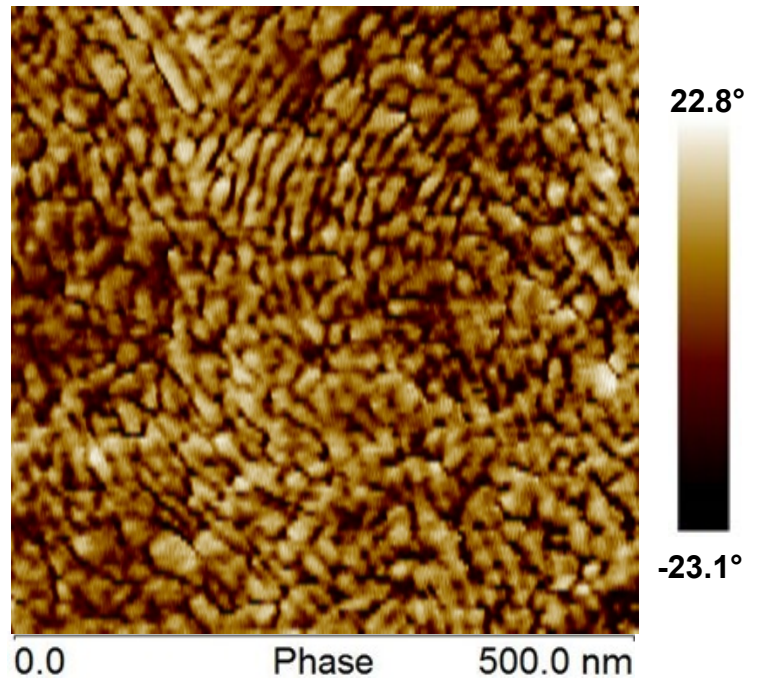
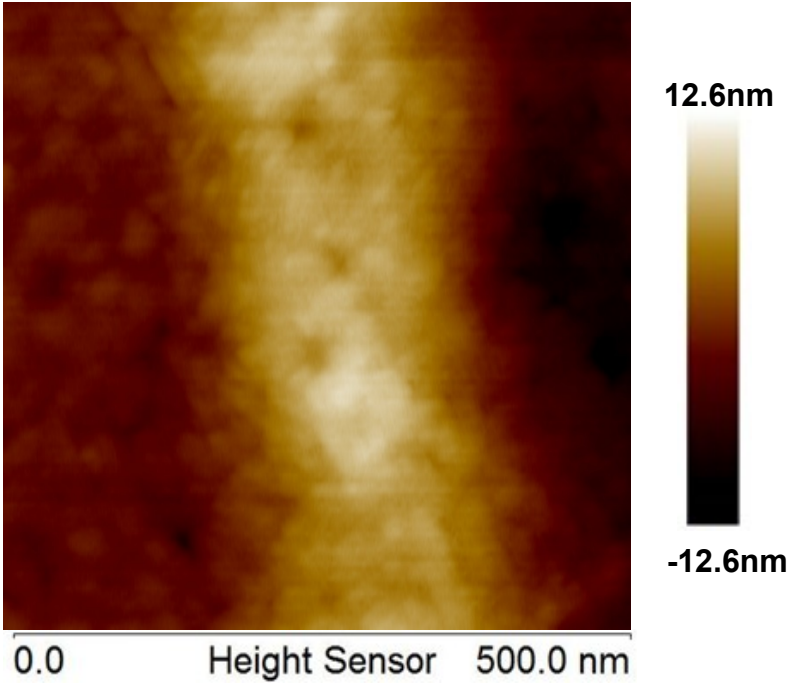


Figure S31 – Individual 2, Unstretched, Fiber 5, Image 23, 2018/01/26

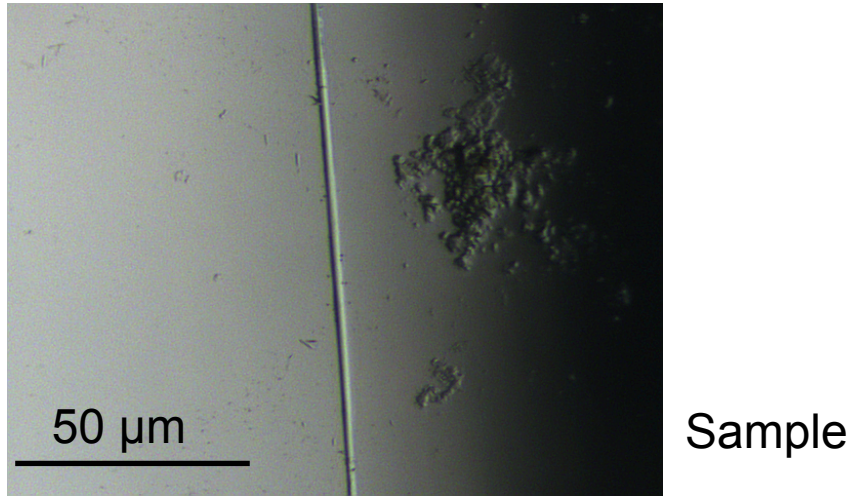
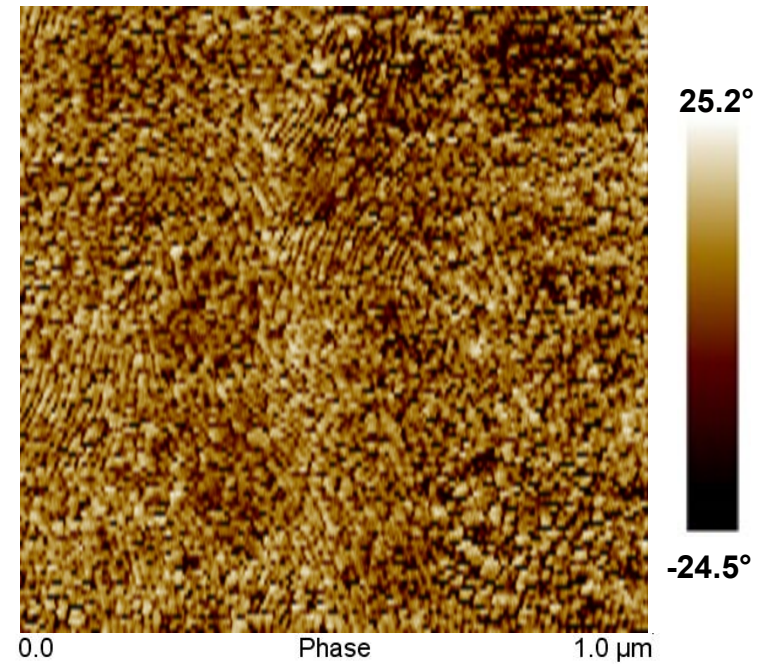
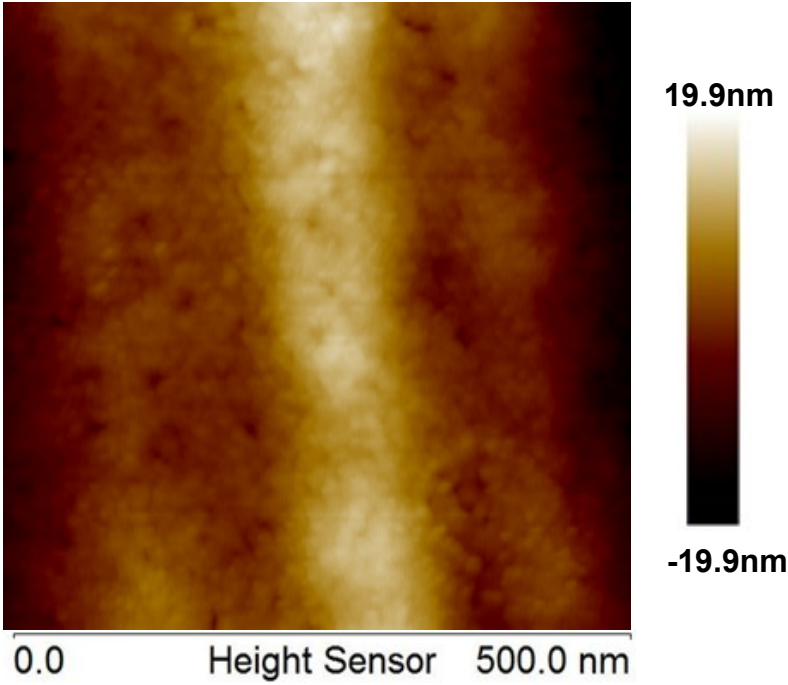


Figure S32 – Individual 3, Unstretched, Fiber 6, Image 24, 2018/01/26

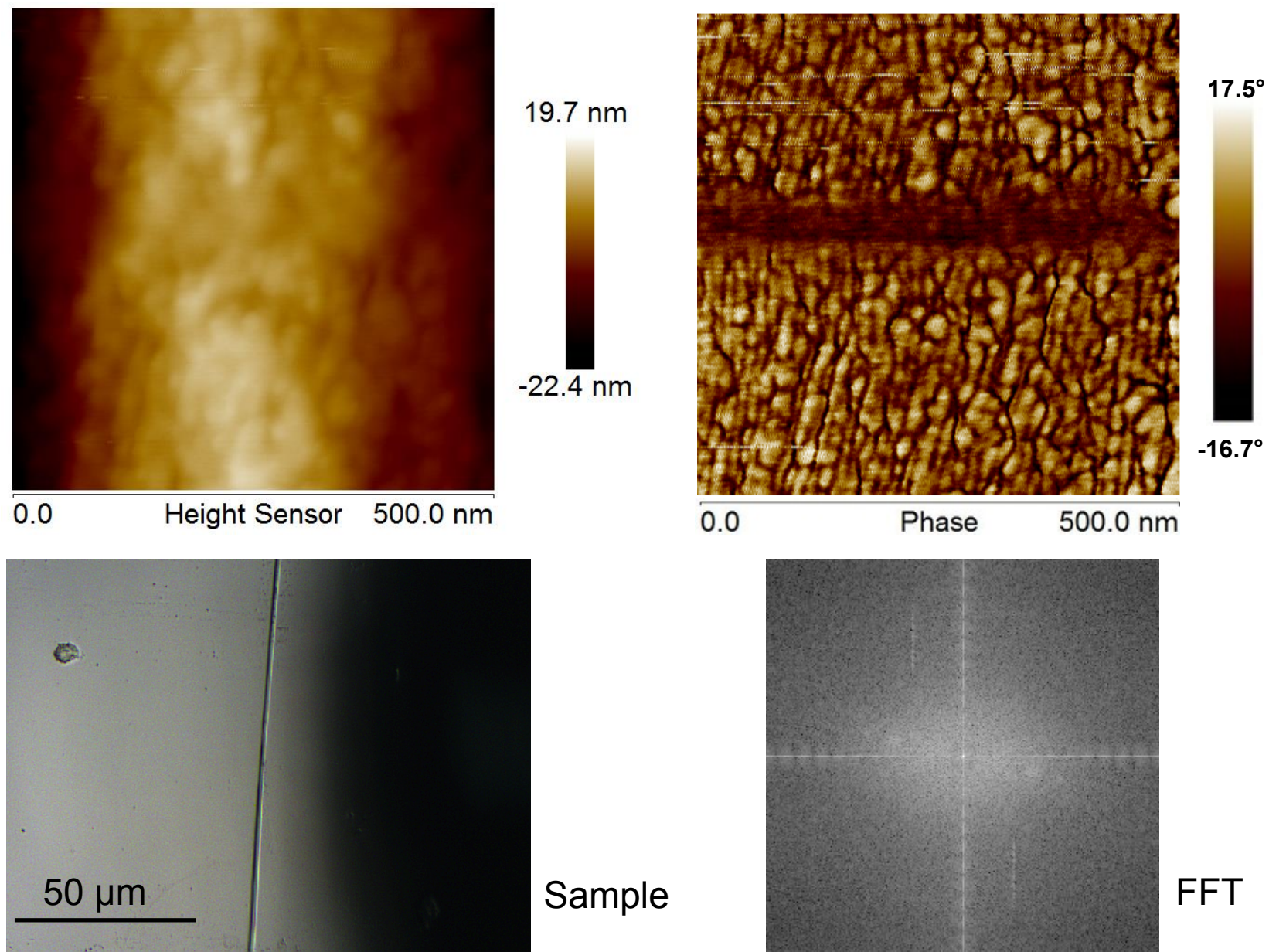
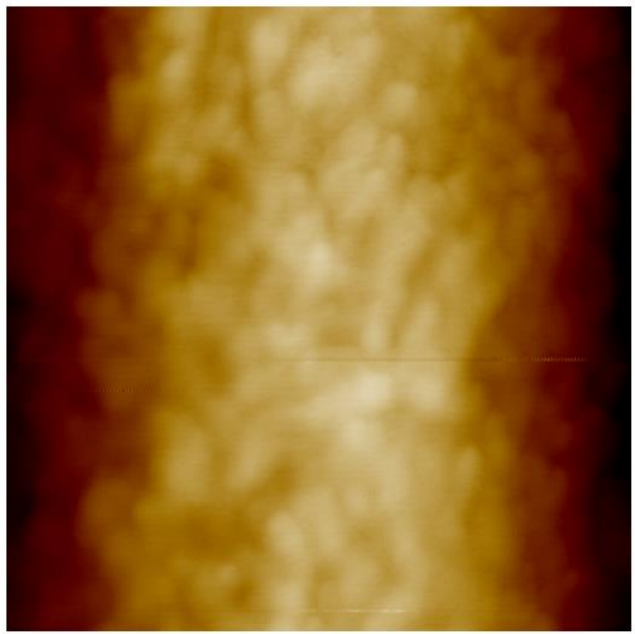
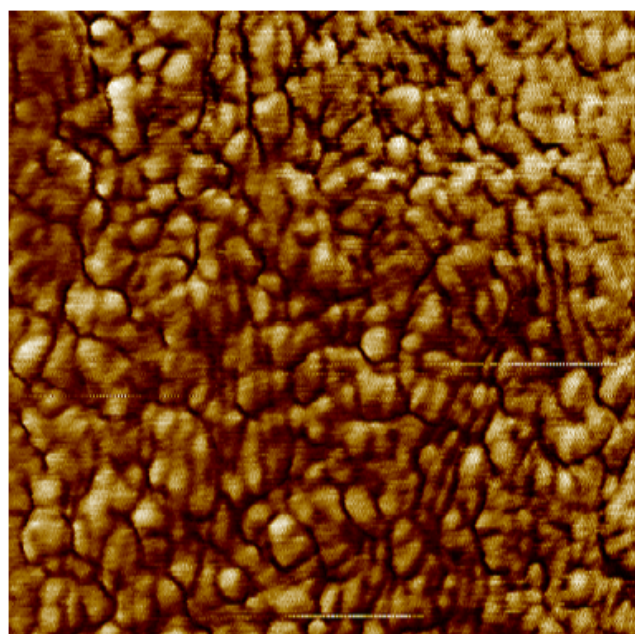


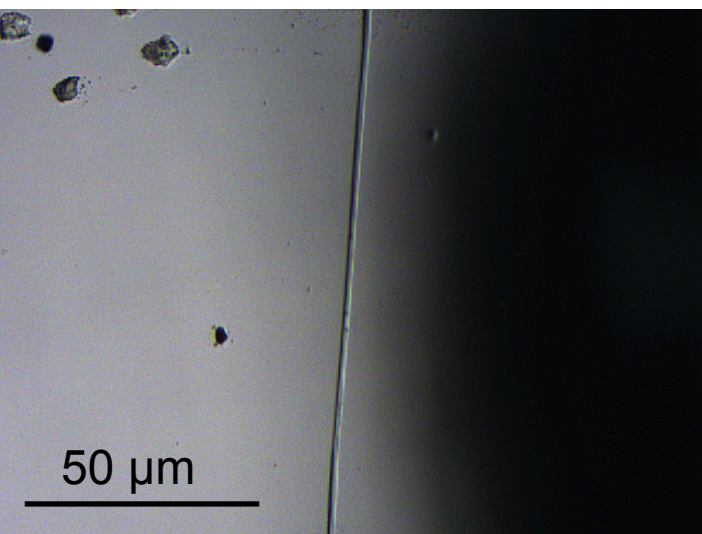
Figure S33 – Individual 3, Unstretched, Fiber 6, Image 25, 2018/01/26



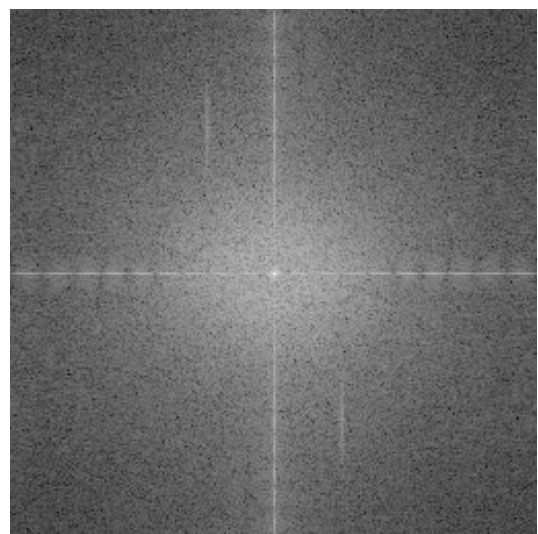
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



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Figure S34 – Individual 4, Stretched, Fiber 7, Image 26, 2018/02/08

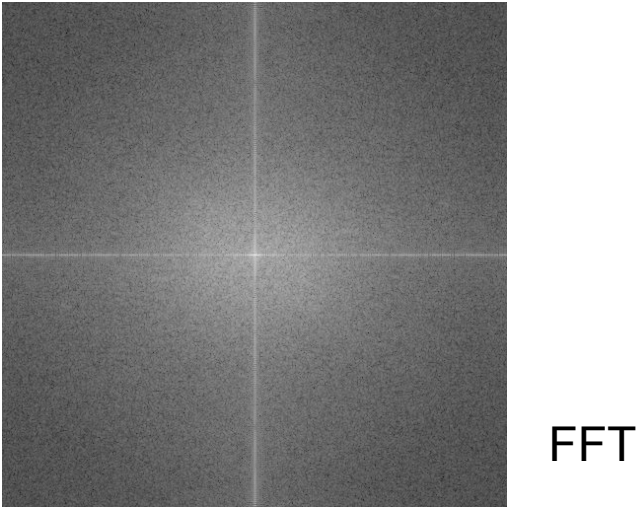
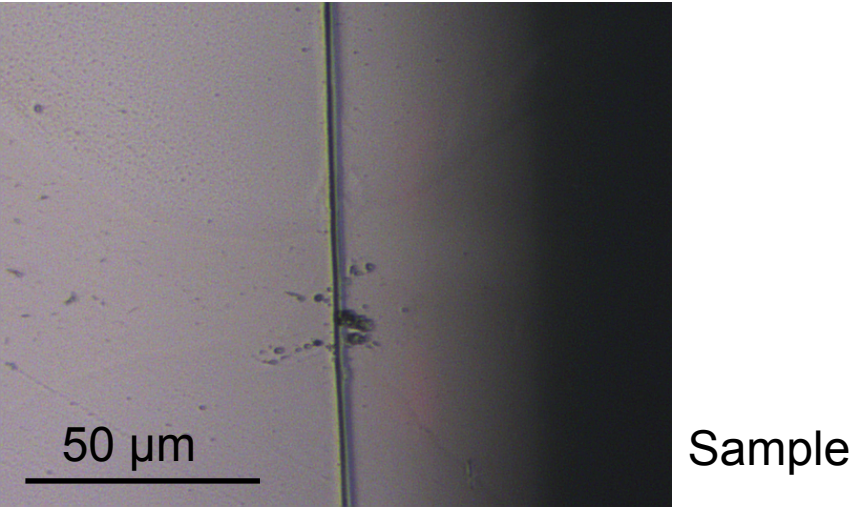
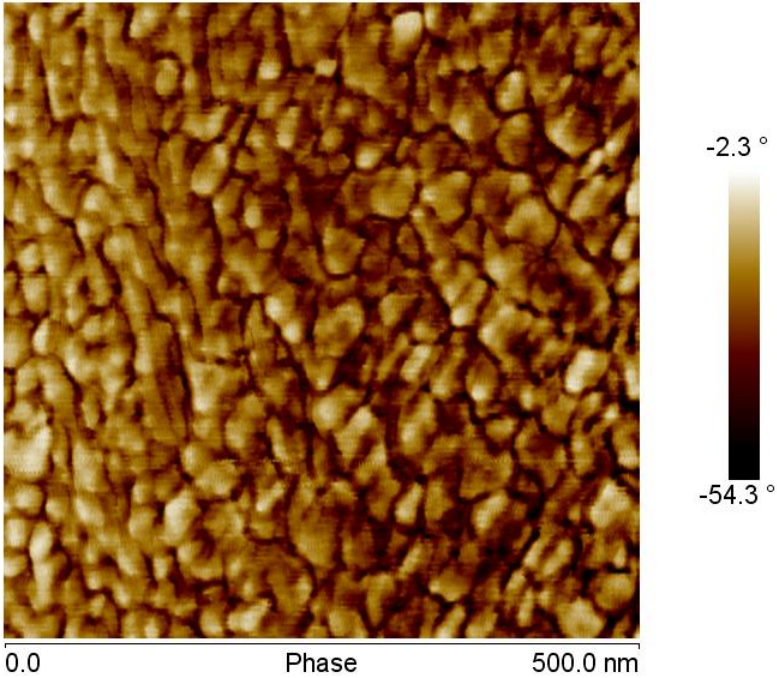
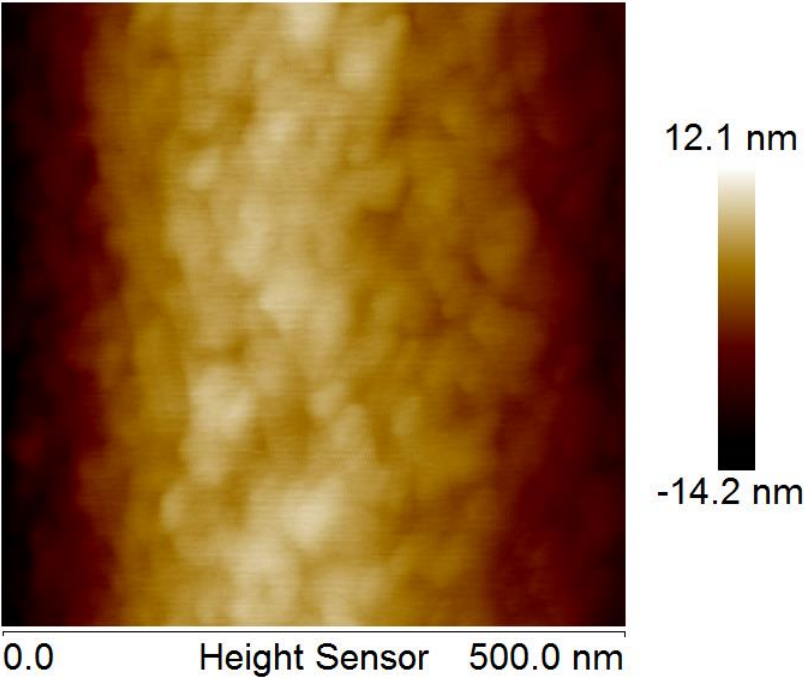
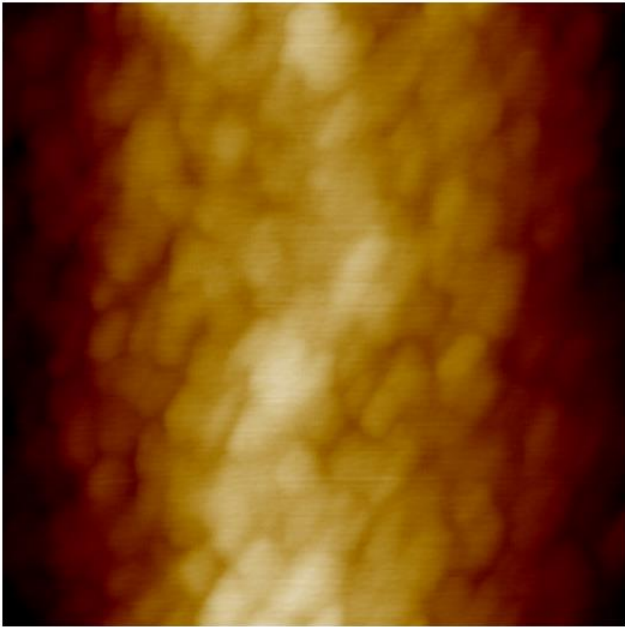
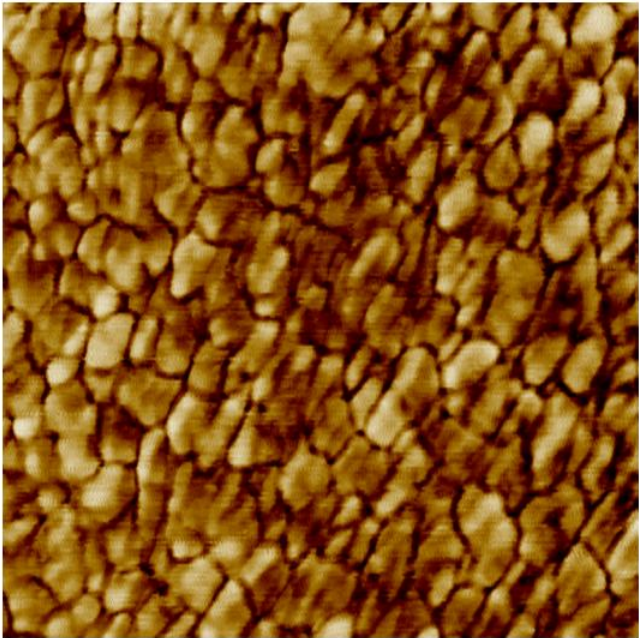


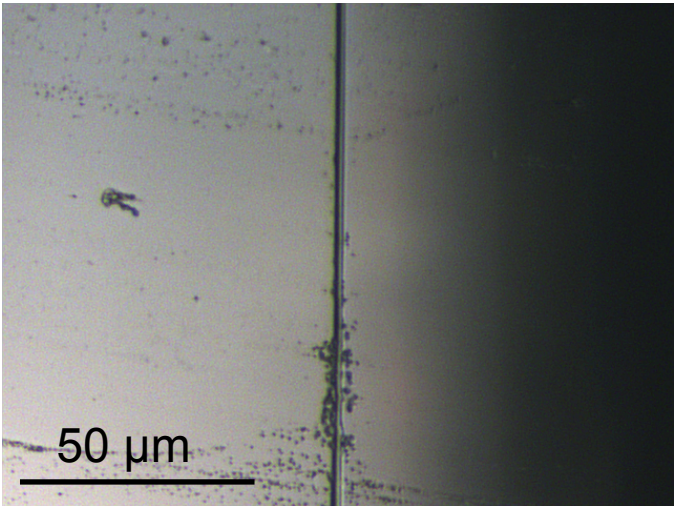
Figure S35 – Individual 4, Stretched, Fiber 7, Image 27, 2018/02/08



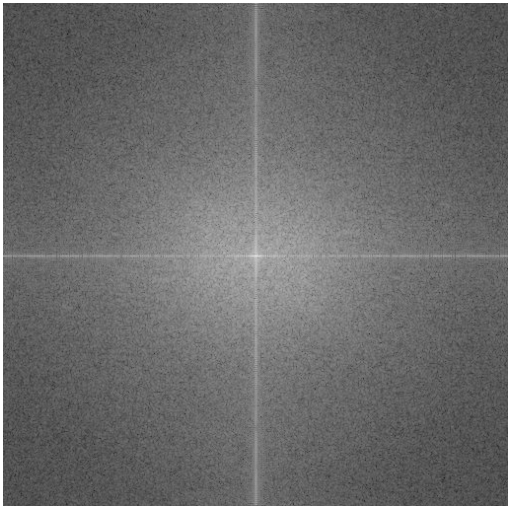
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

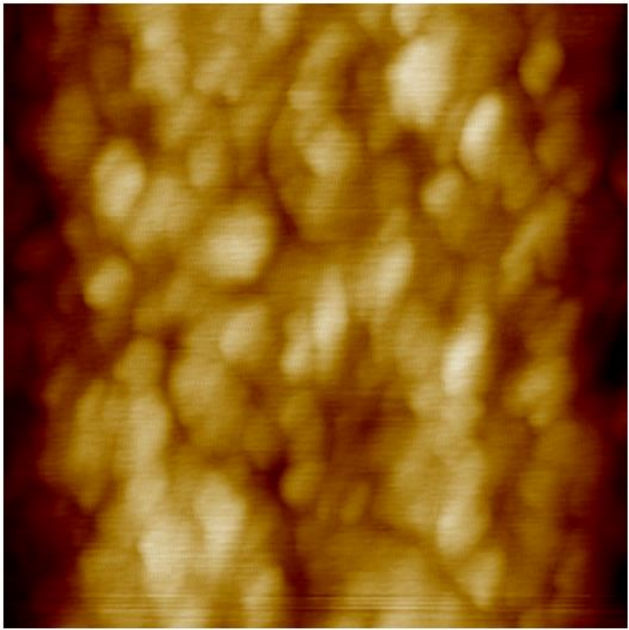


Sample

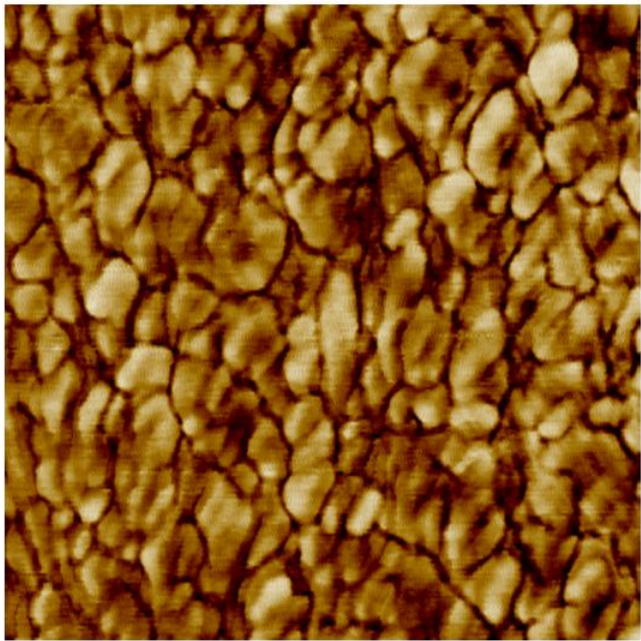


FFT

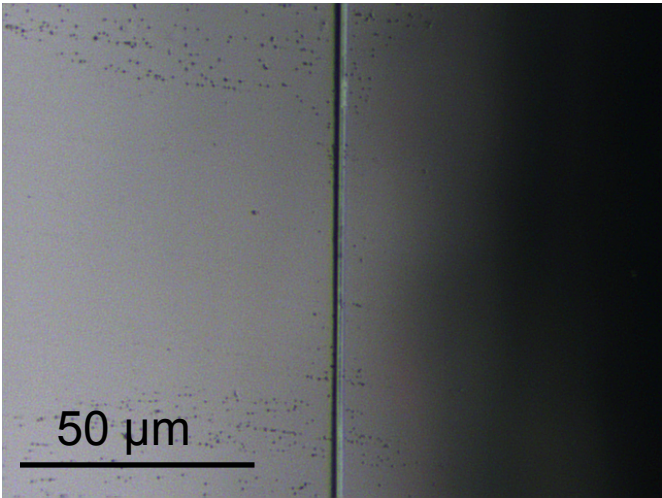
Figure S36 – Individual 4, Stretched, Fiber 7, Image 28, 2018/02/08



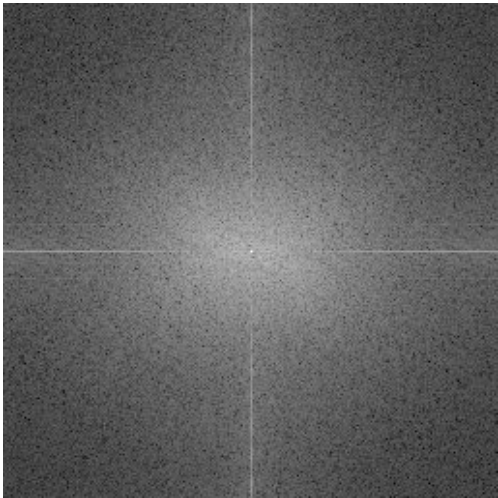
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

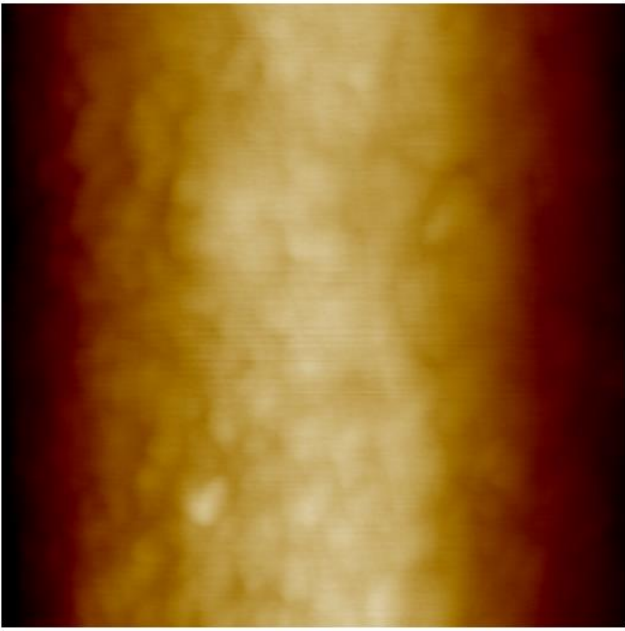


Sample

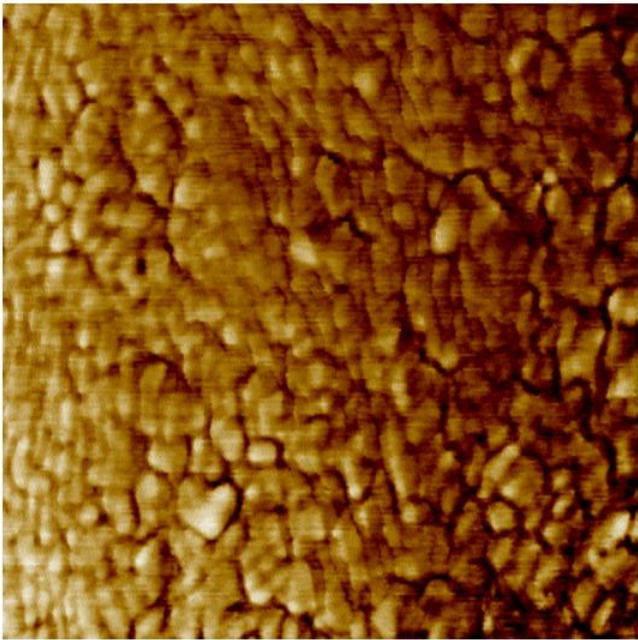


FFT

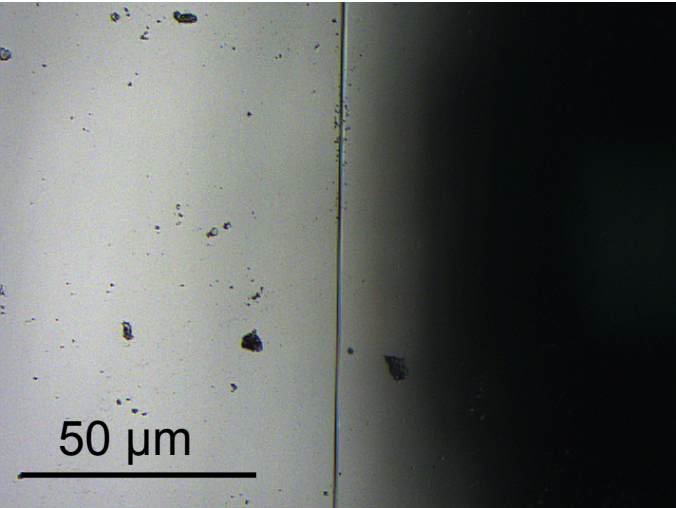
Figure S37 – Individual 4, Stretched, Fiber 7, Image 29, 2018/02/08



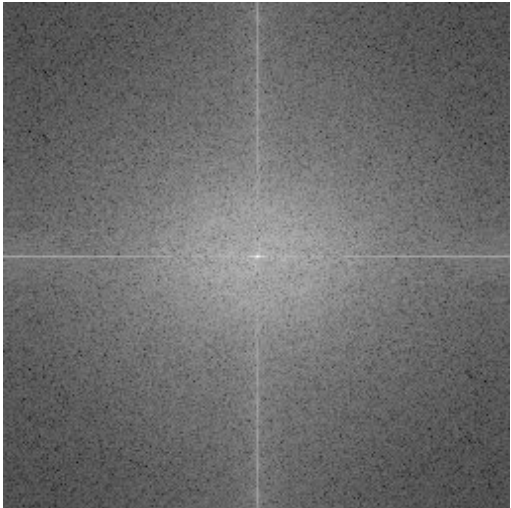
0.0 500.0 nm



0.0 500.0 nm

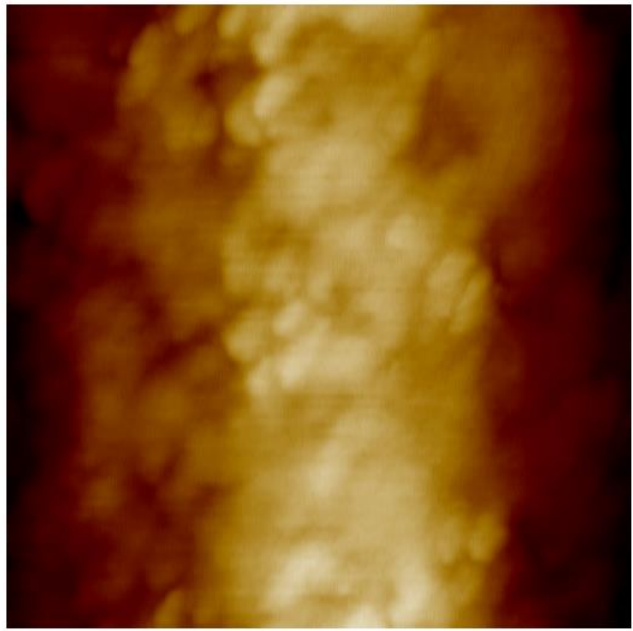


Sample

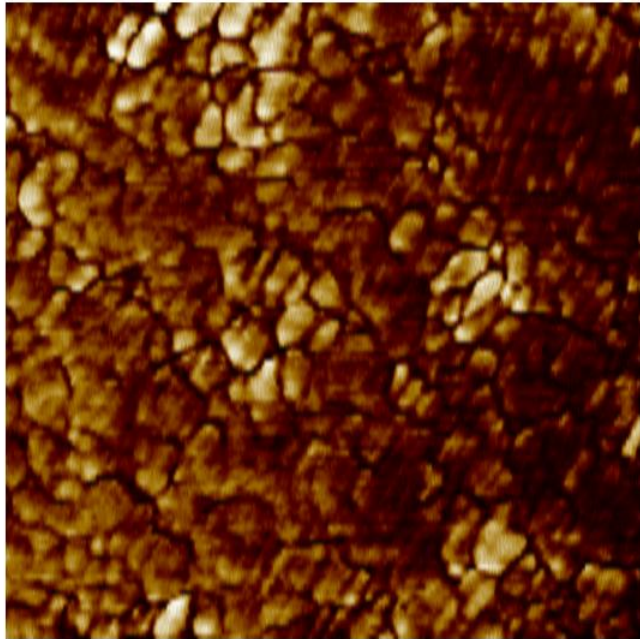


FFT

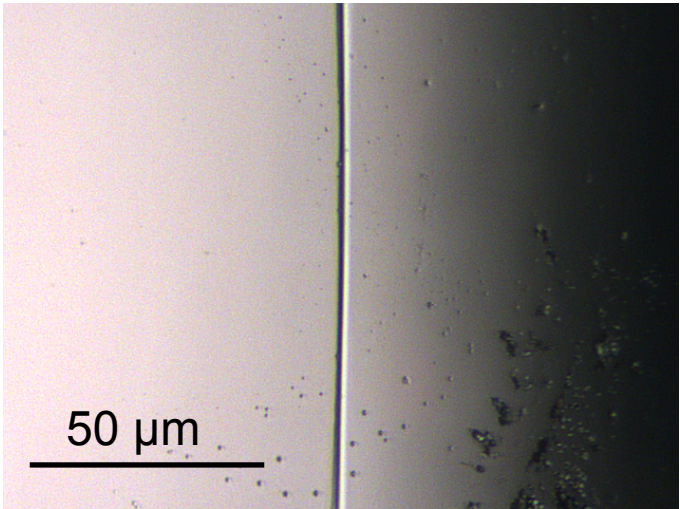
Figure S38 – Individual 4, Stretched, Fiber 7, Image 30, 2018/02/08



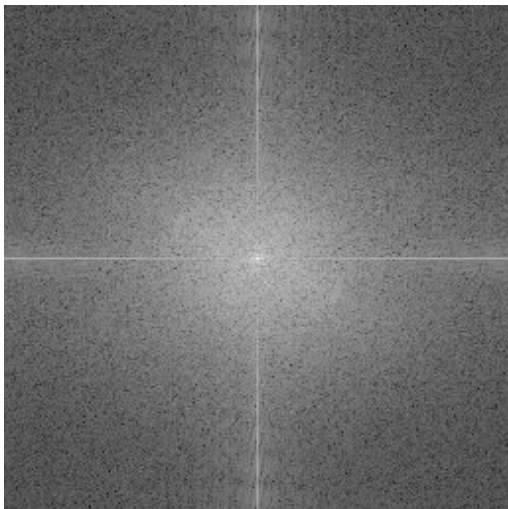
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

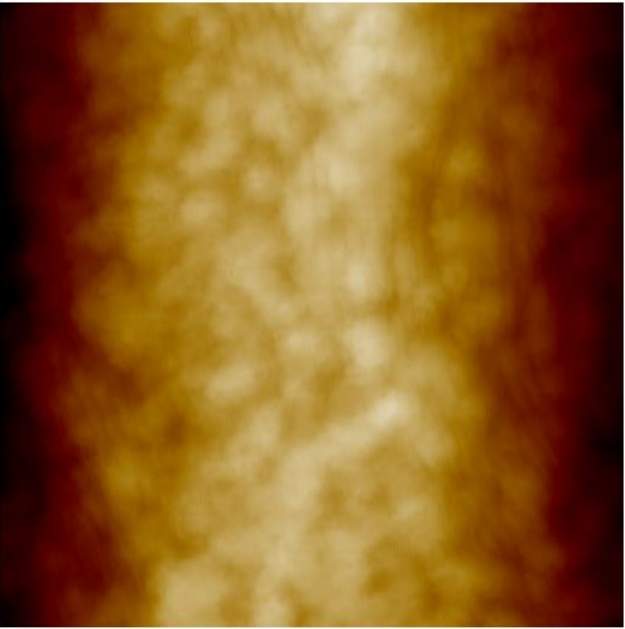


Sample

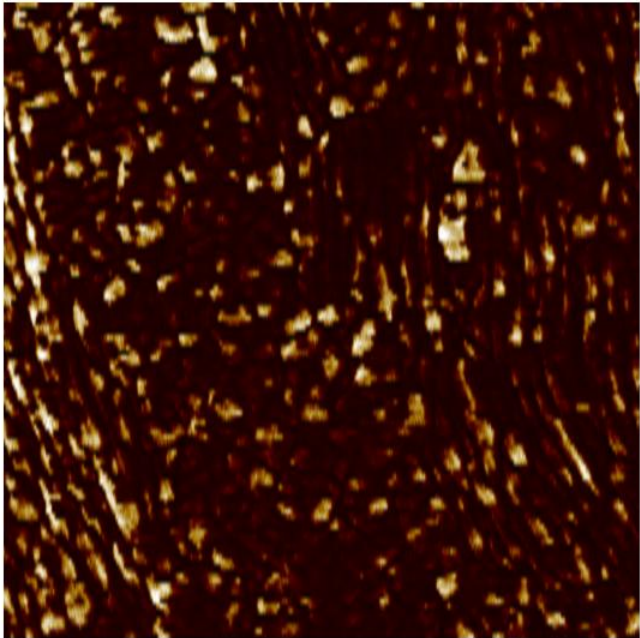


FFT

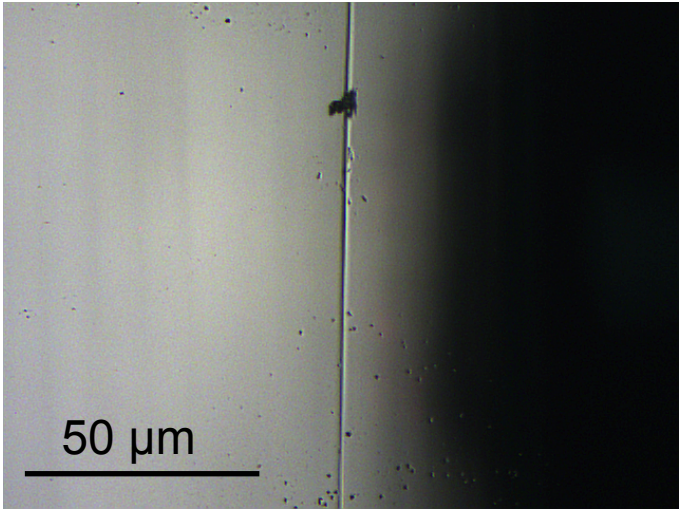
Figure S39 – Individual 5, Stretched, Fiber 8, Image 31, 2018/02/08



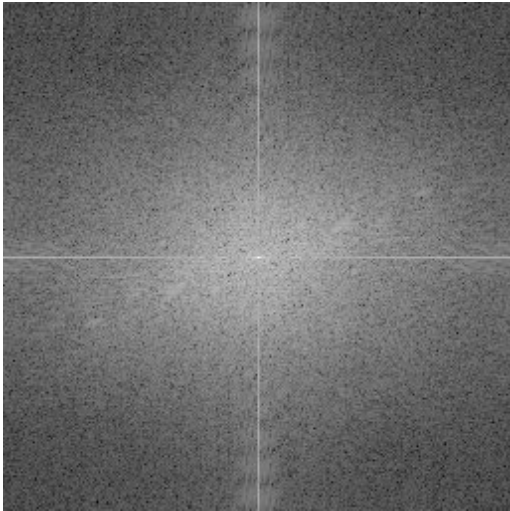
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

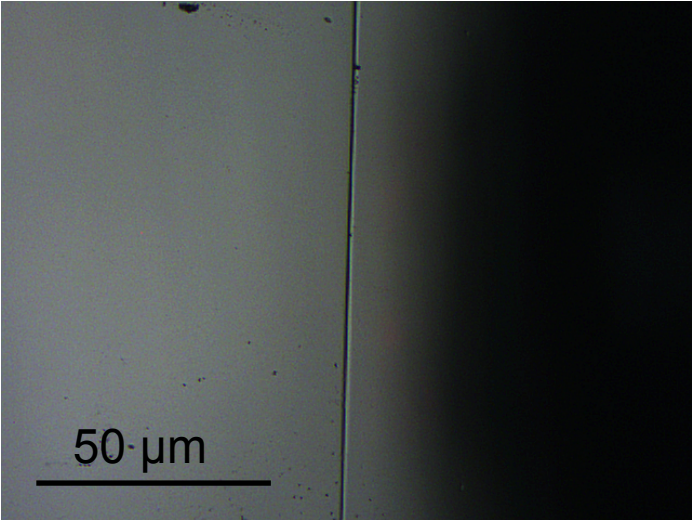
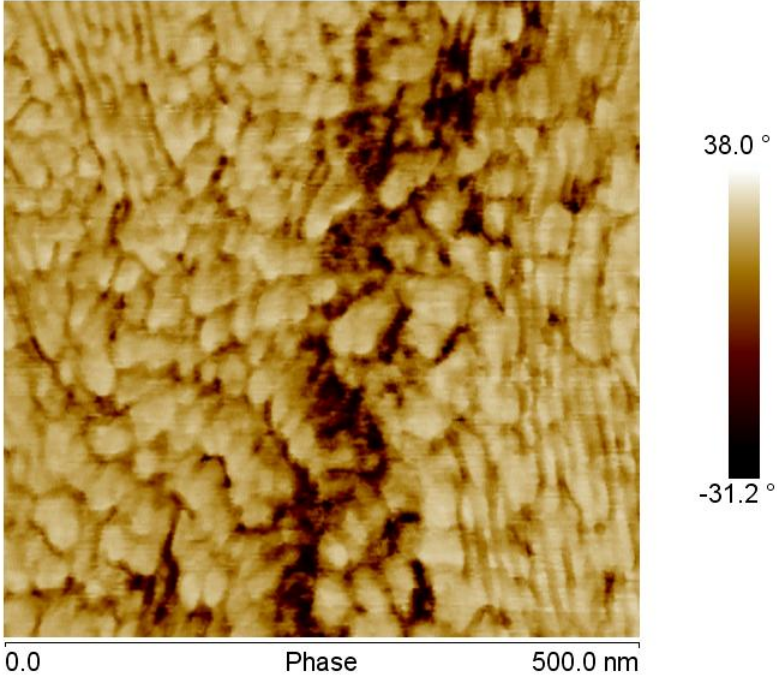
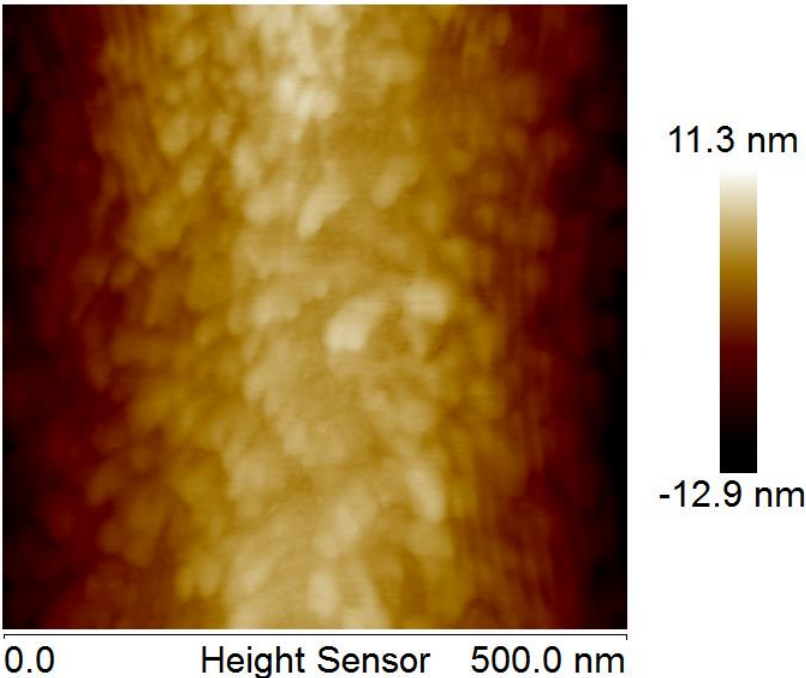


Sample

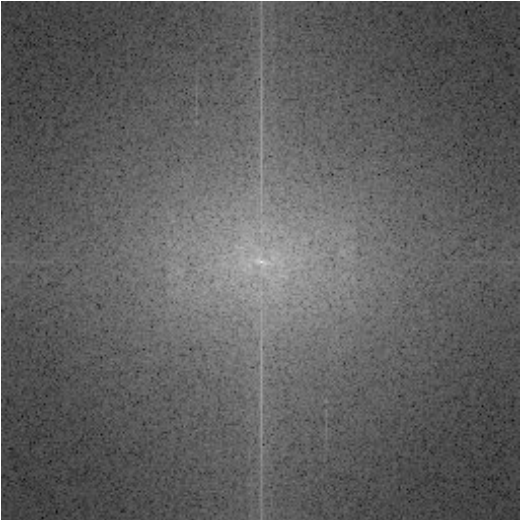


FFT

Figure S40 – Individual 5, Stretched, Fiber 8, Image 32, 2018/02/08



Sample



FFT

Figure S41 – Individual 5, Stretched, Fiber 8, Image 33, 2018/02/08

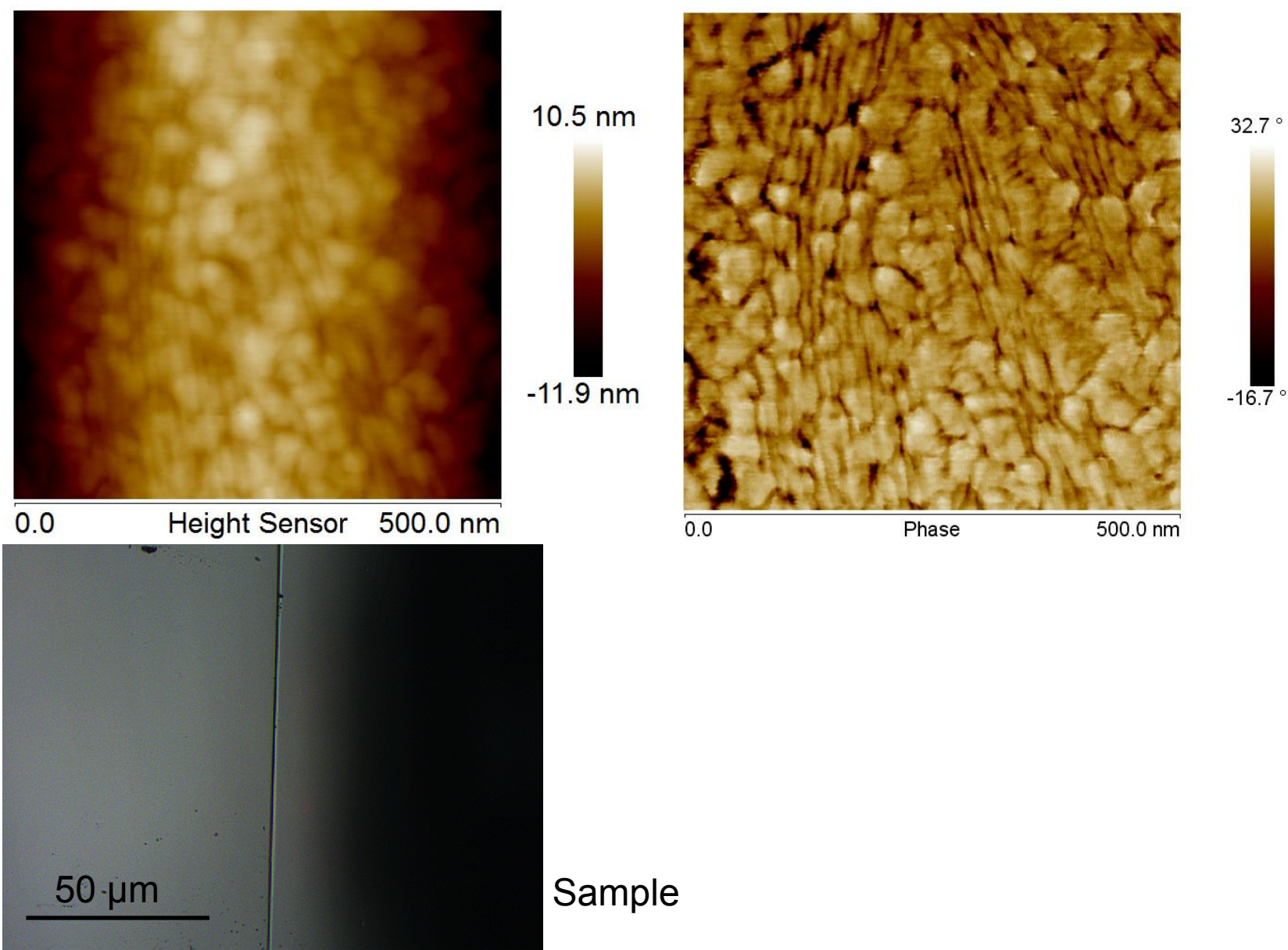


Figure S42 – Individual 4, Unstretched, Fiber 9, Image 34, 2018/02/08

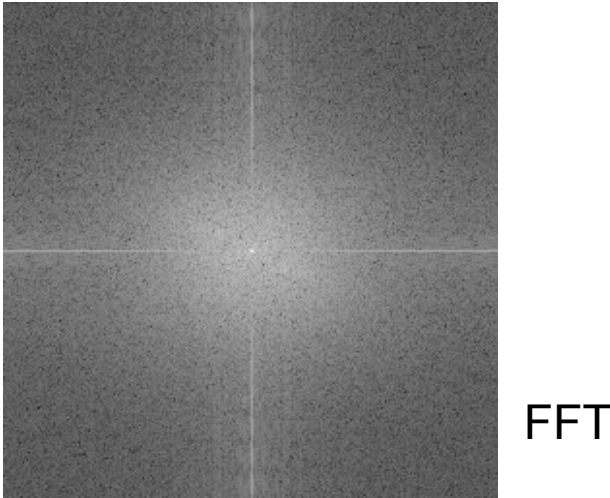
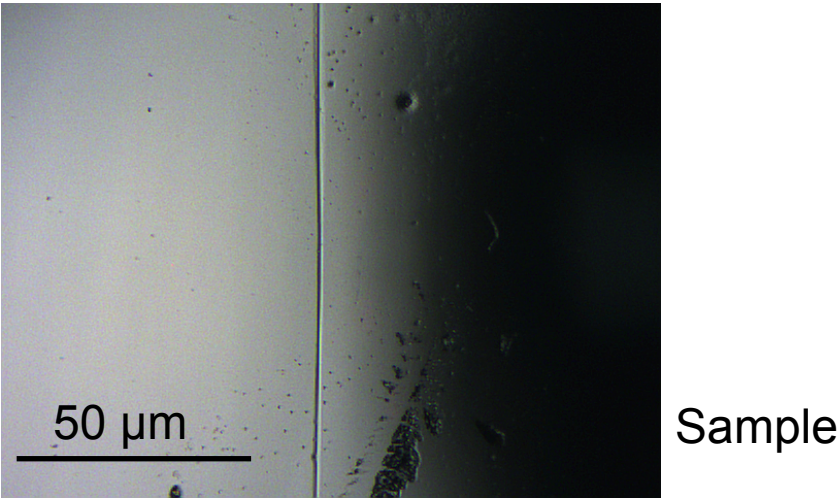
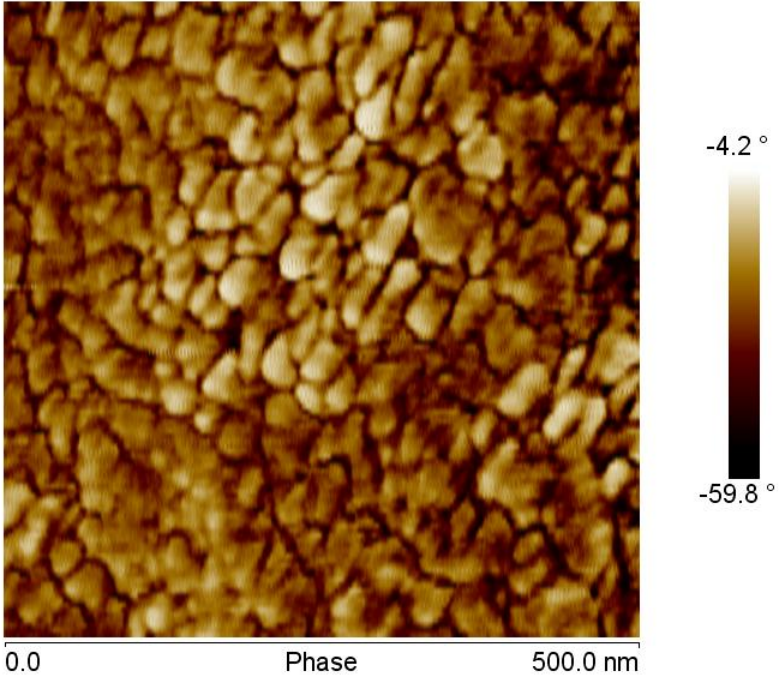
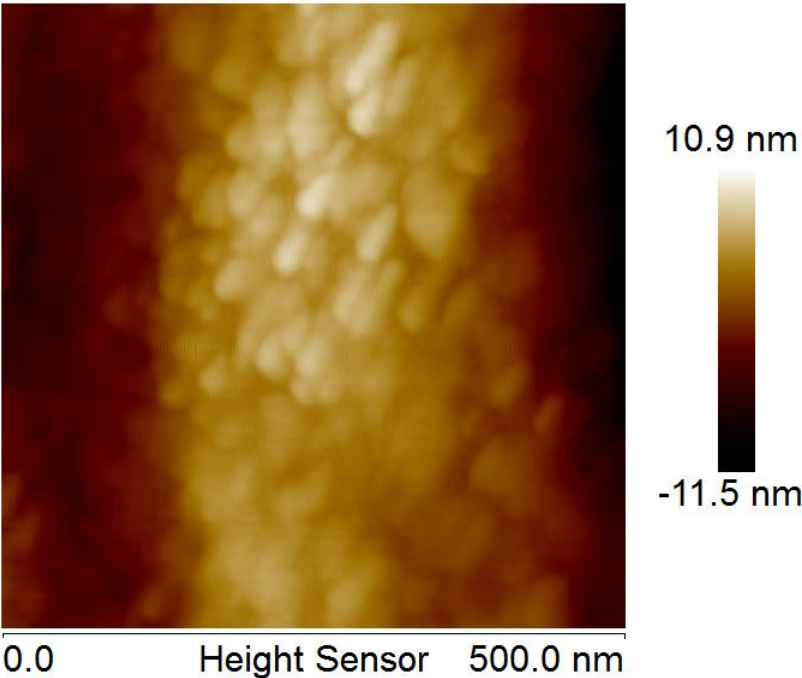


Figure S43 – Individual 4, Unstretched, Fiber 9, Image 35, 2018/02/08

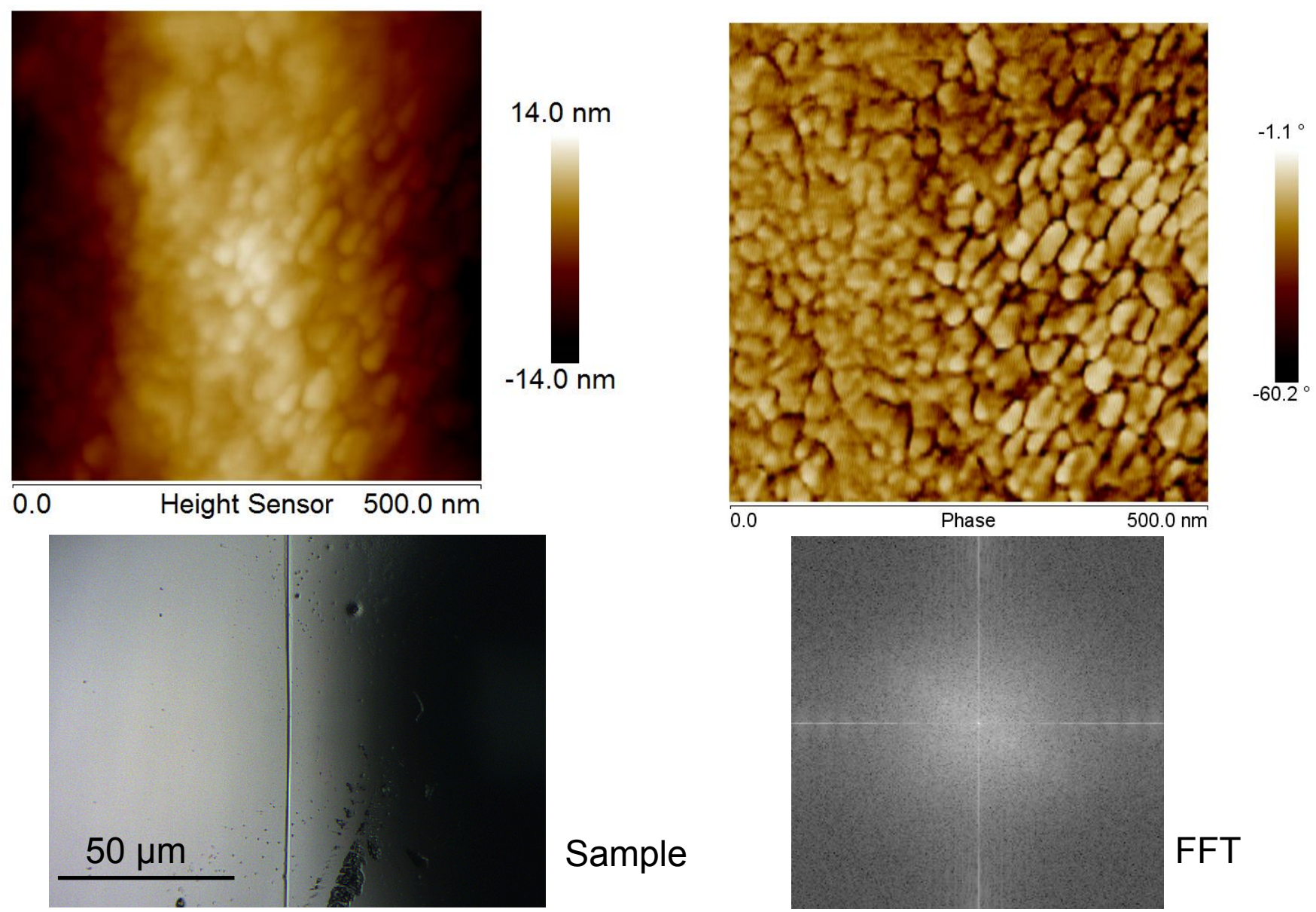
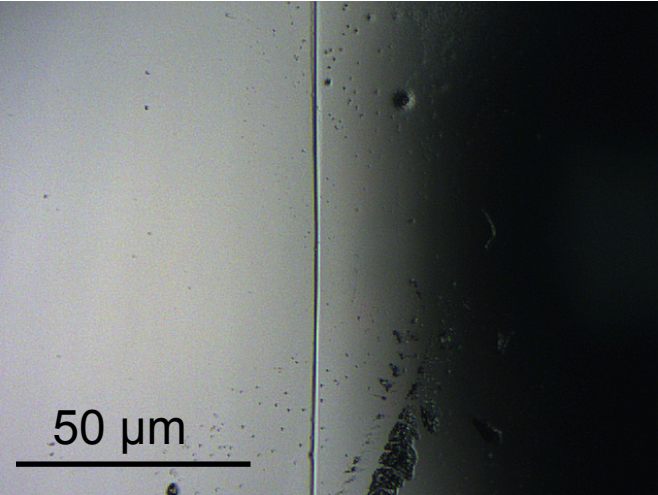
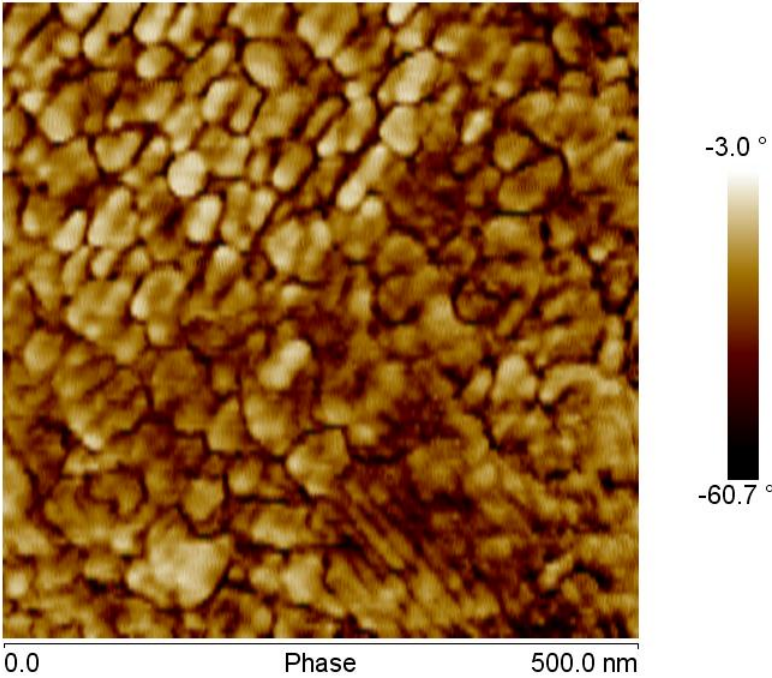
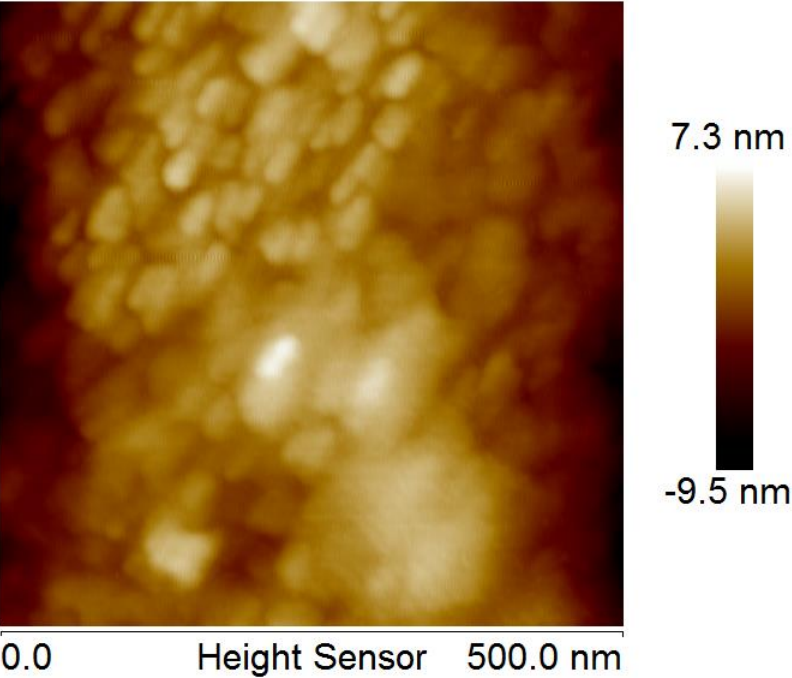
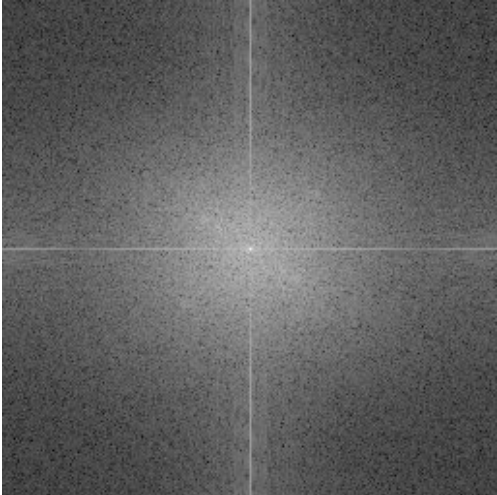


Figure S44 – Individual 4, Unstretched, Fiber 9, Image 36, 2018/02/08

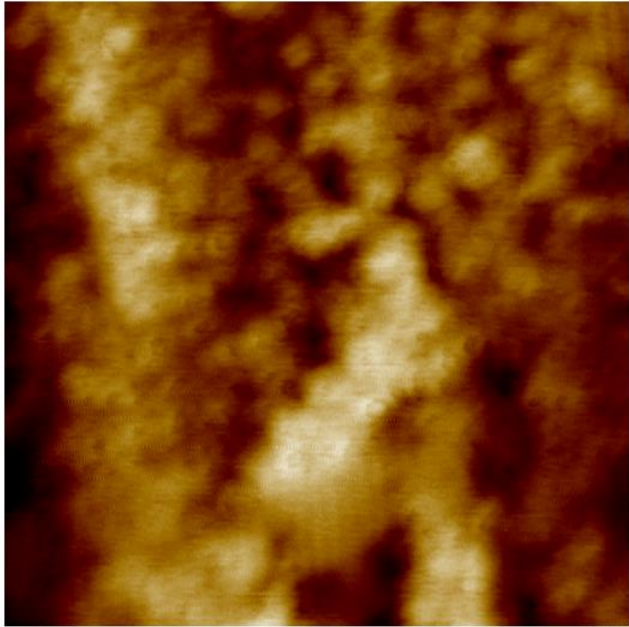


Sample

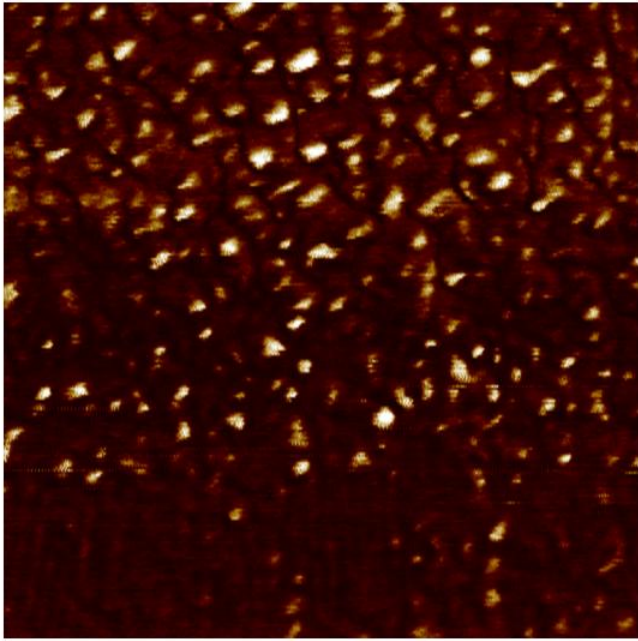


FFT

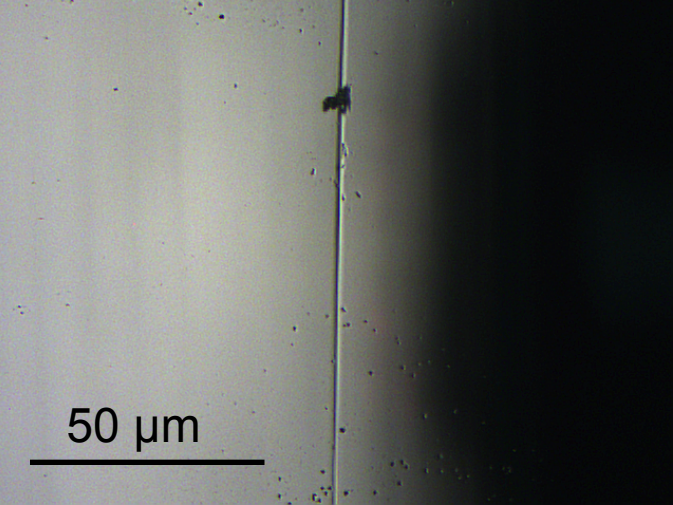
Figure S45 – Individual 5, Unstretched, Fiber 10, Image 37, 2018/02/08



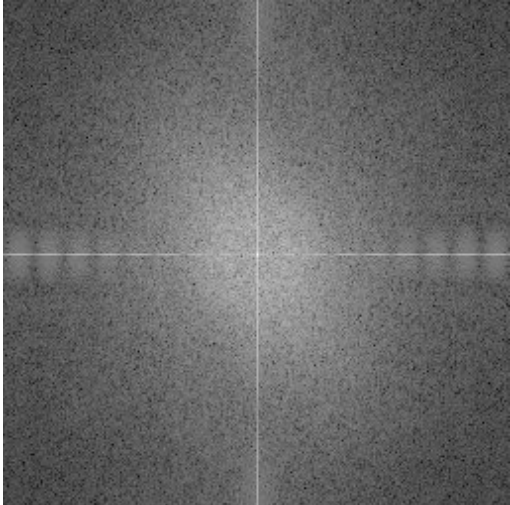
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



FFT

Figure S46 – Individual 5, Unstretched, Fiber 10, Image 38, 2018/02/08

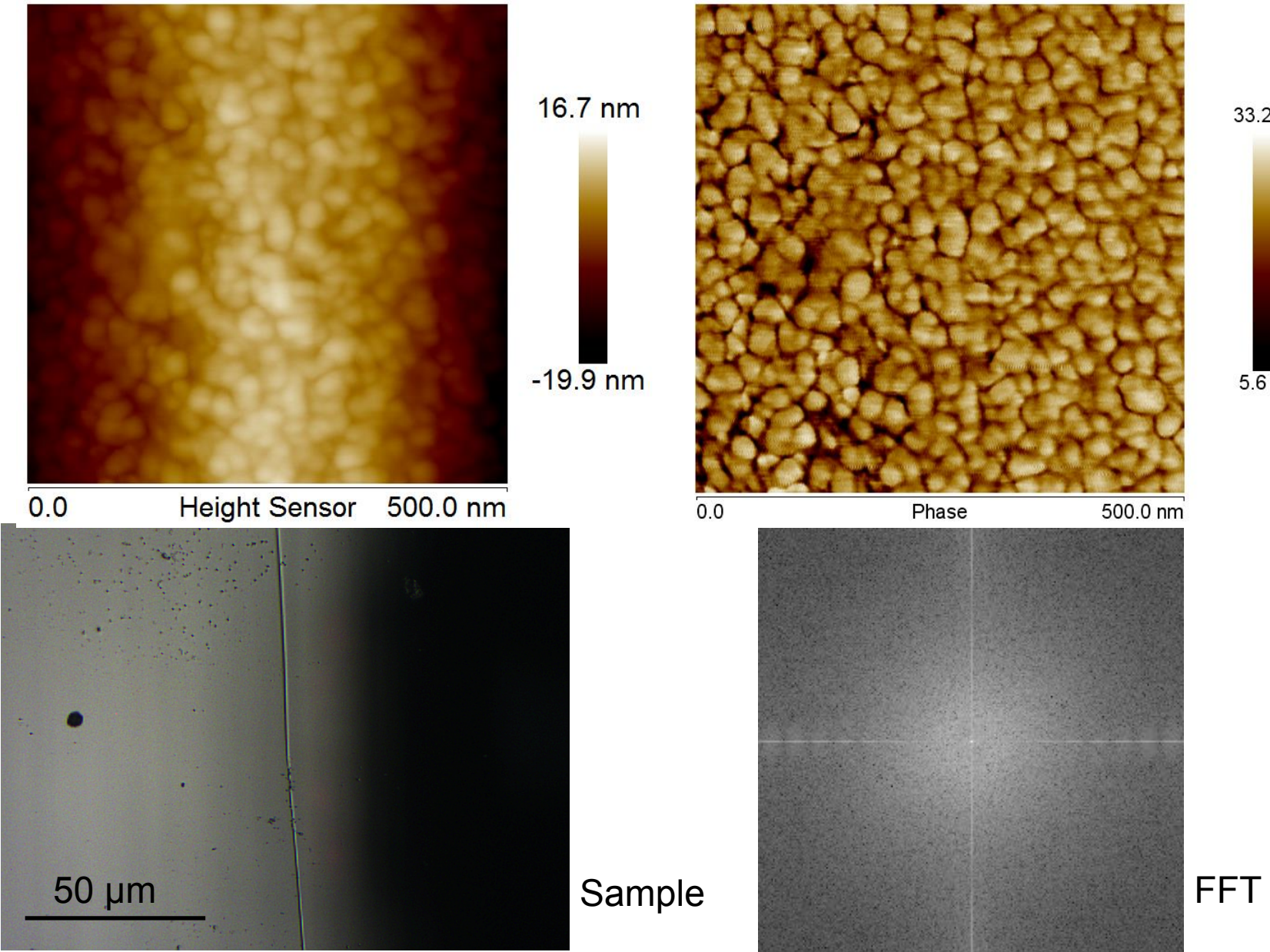
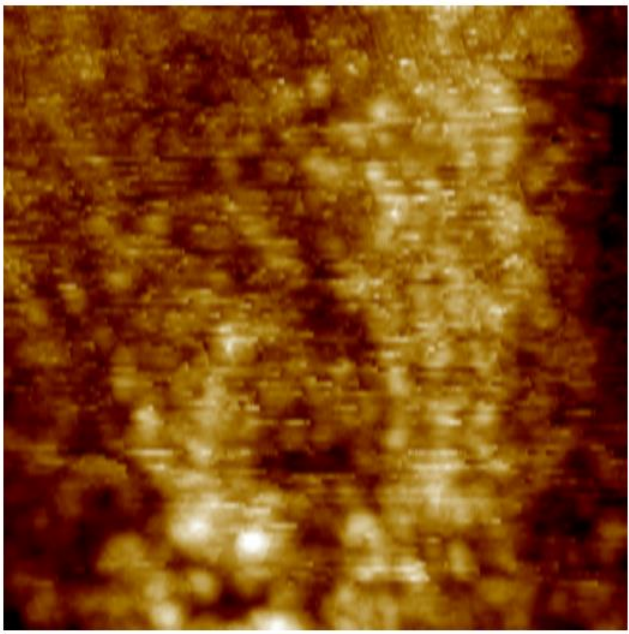
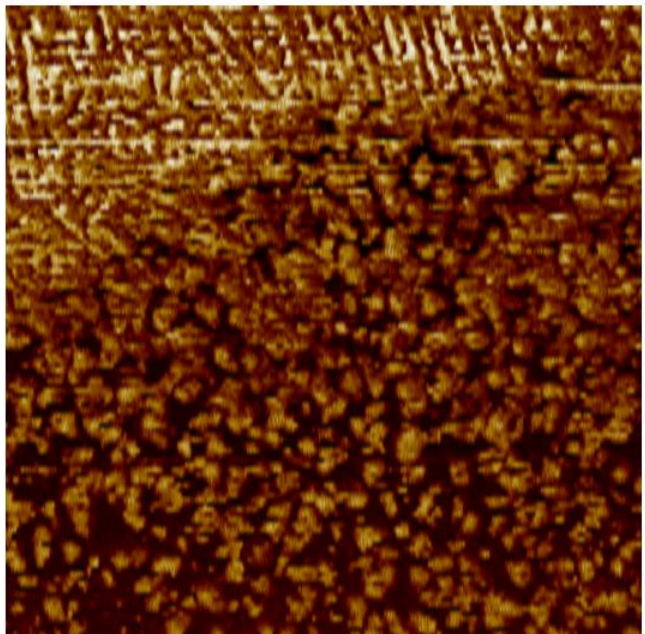


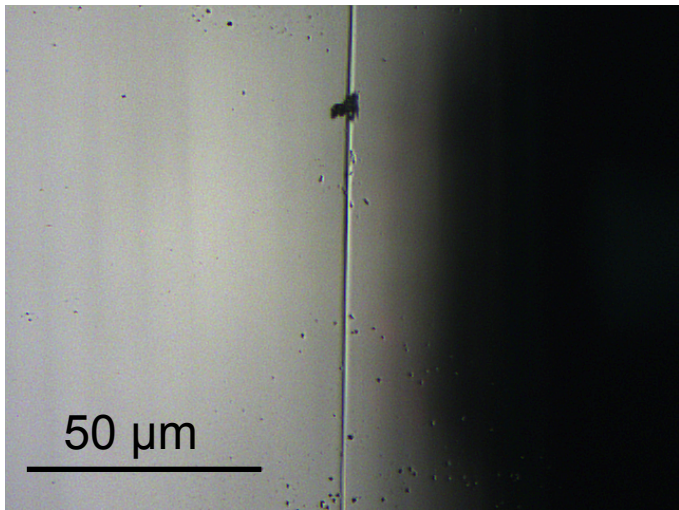
Figure S47– Individual 5, Unstretched, Fiber 10, Image 39, 2018/02/08



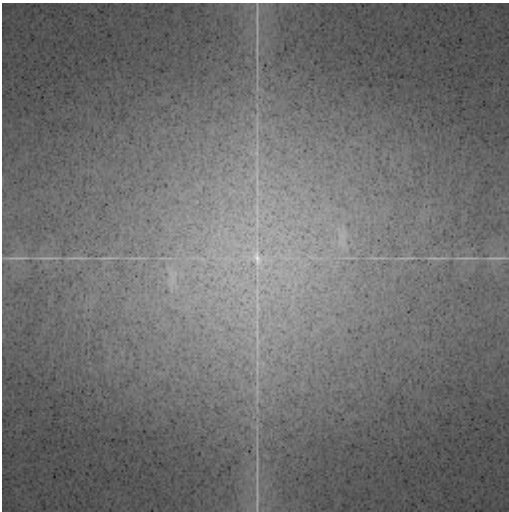
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

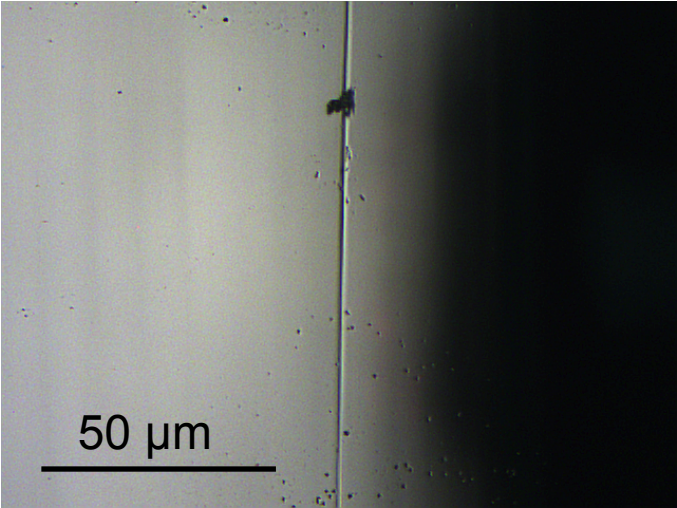
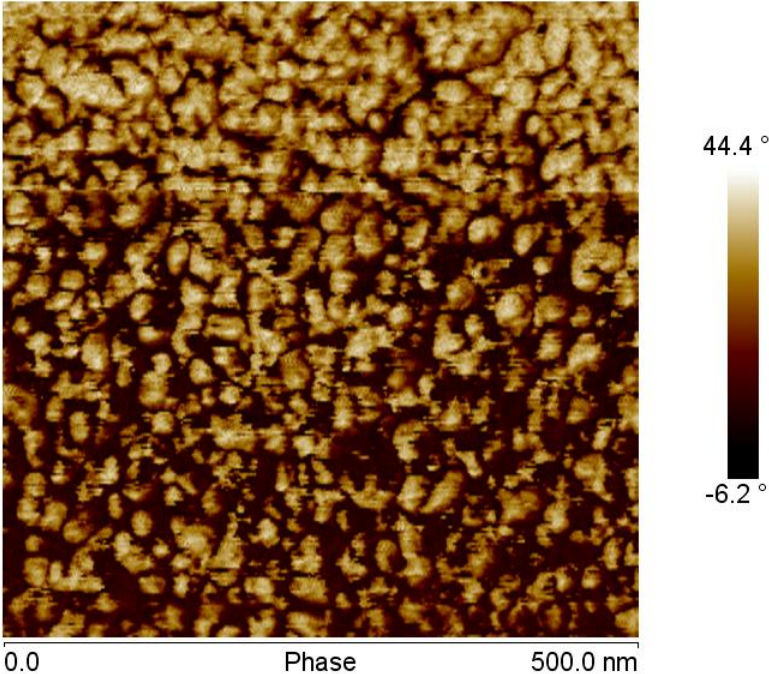
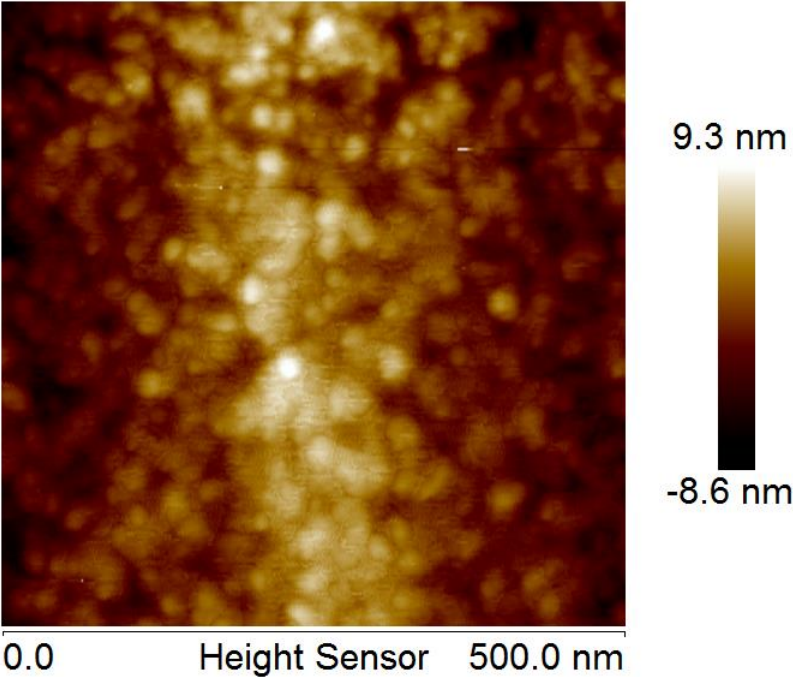


Sample



FFT

Figure S48 – Individual 5, Unstretched, Fiber 10, Image 40, 2018/02/08



Sample

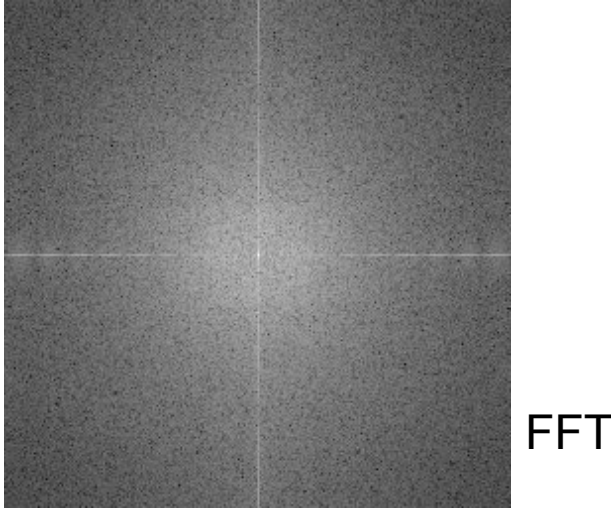


Figure S49 – Individual 5, Unstretched, Fiber 10, Image 41, 2018/02/08

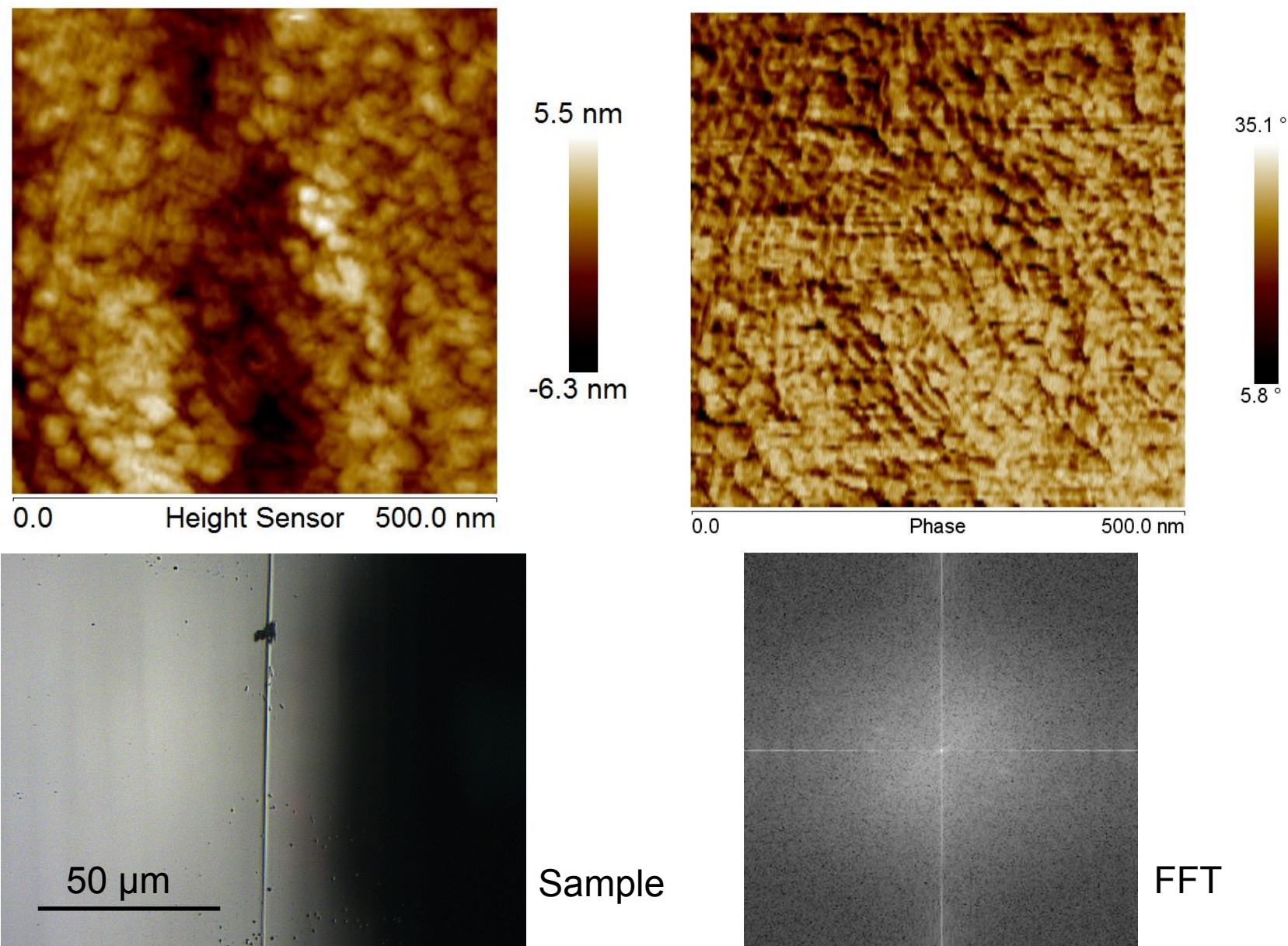
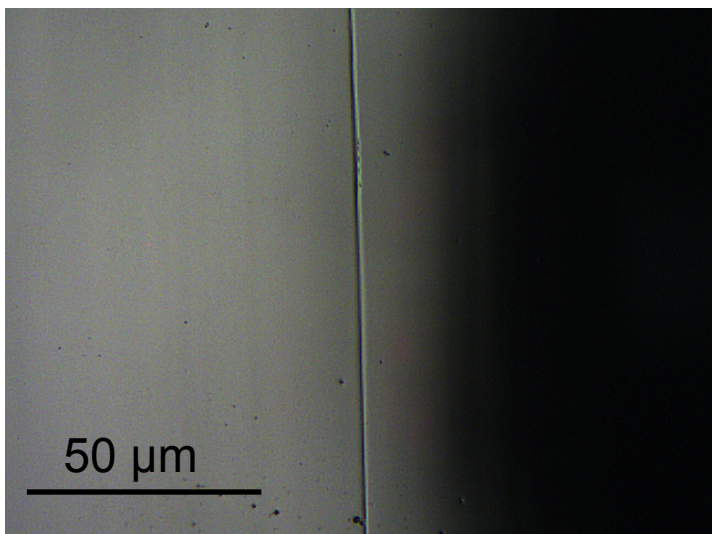
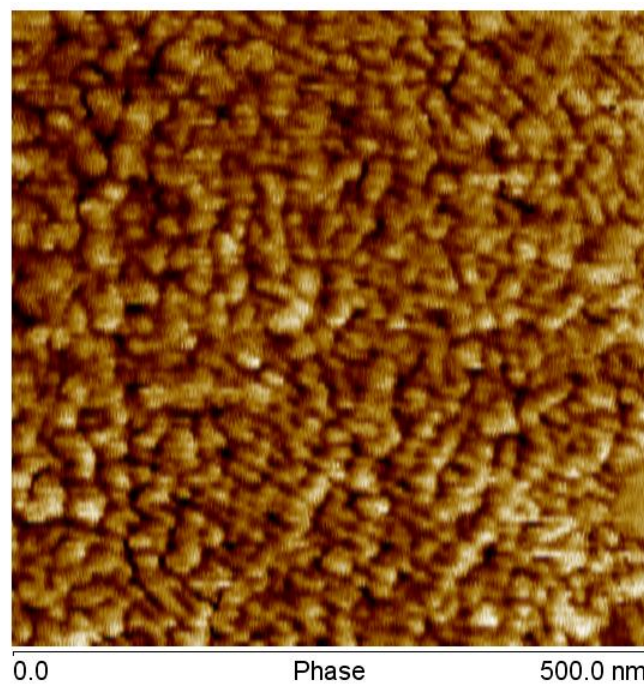
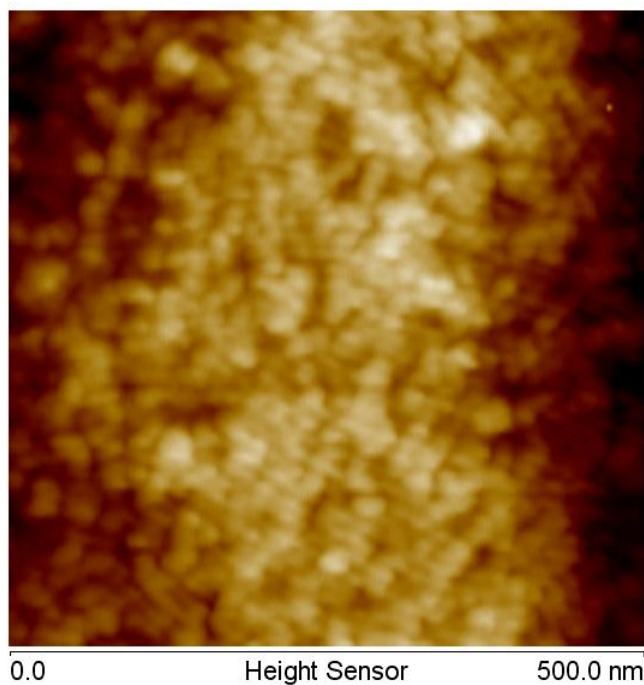
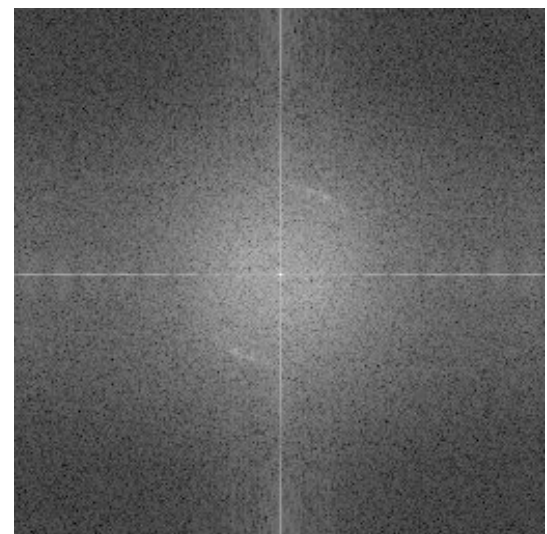


Figure S50 – Individual 5, Unstretched, Fiber 10, Image 42, 2018/02/08



Sample



FFT

Figure S51 – Individual 5, Unstretched, Fiber 10, Image 43, 2018/02/08

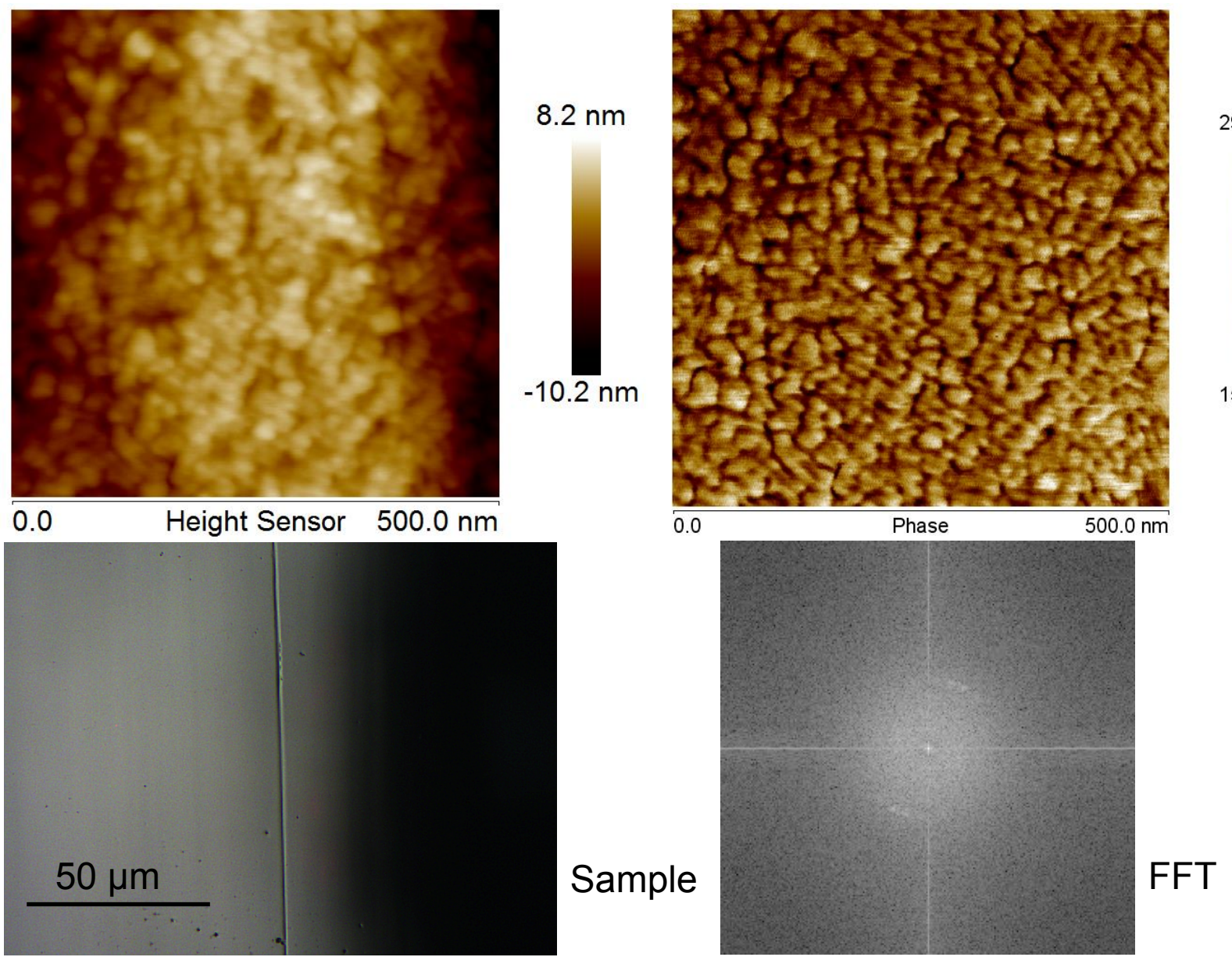


Figure S52 – Individual 5, Unstretched, Fiber 10, Image 44, 2018/02/08

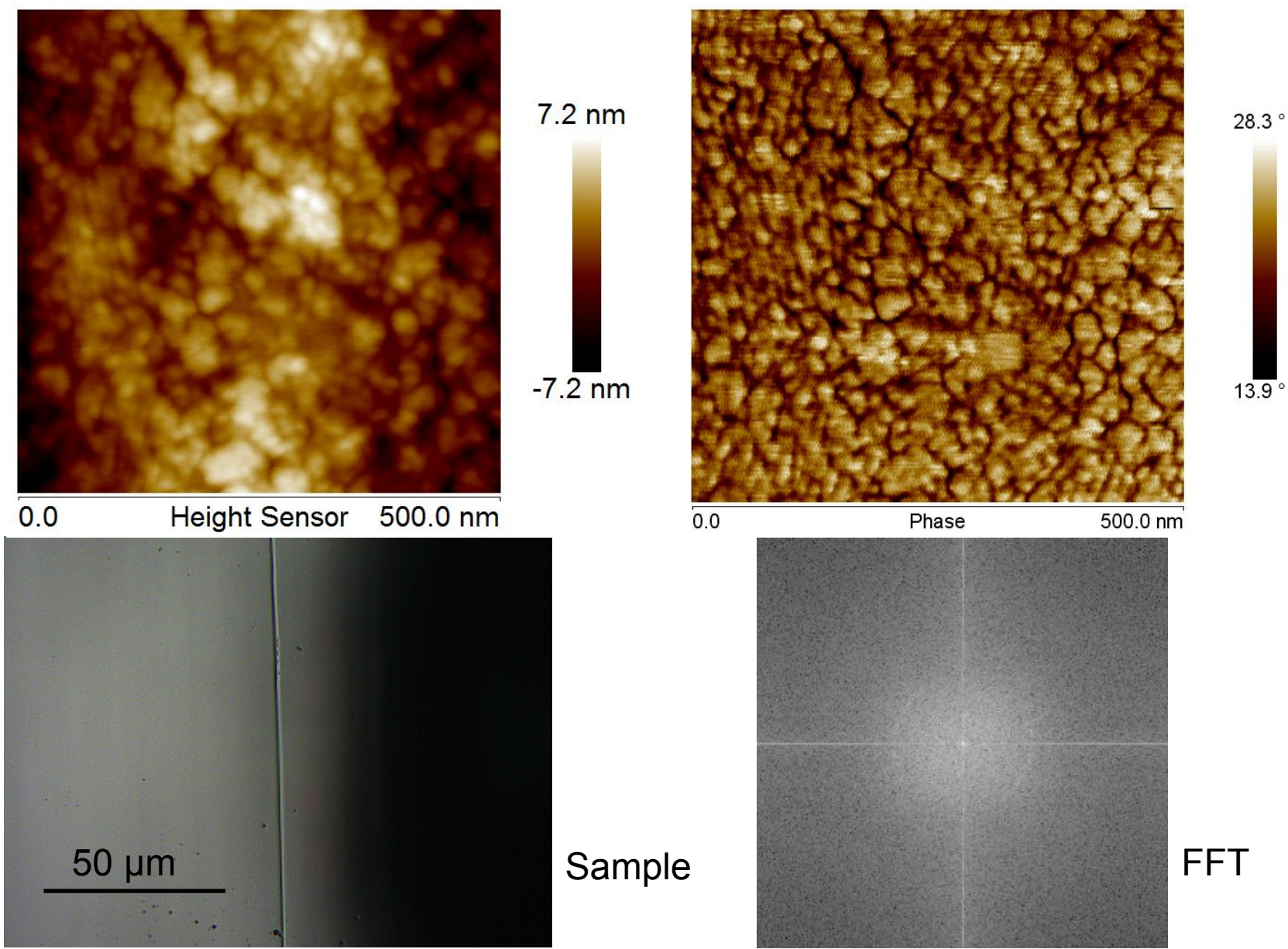


Figure S53 – Individual 5, Unstretched, Fiber 10, Image 45, 2018/02/08

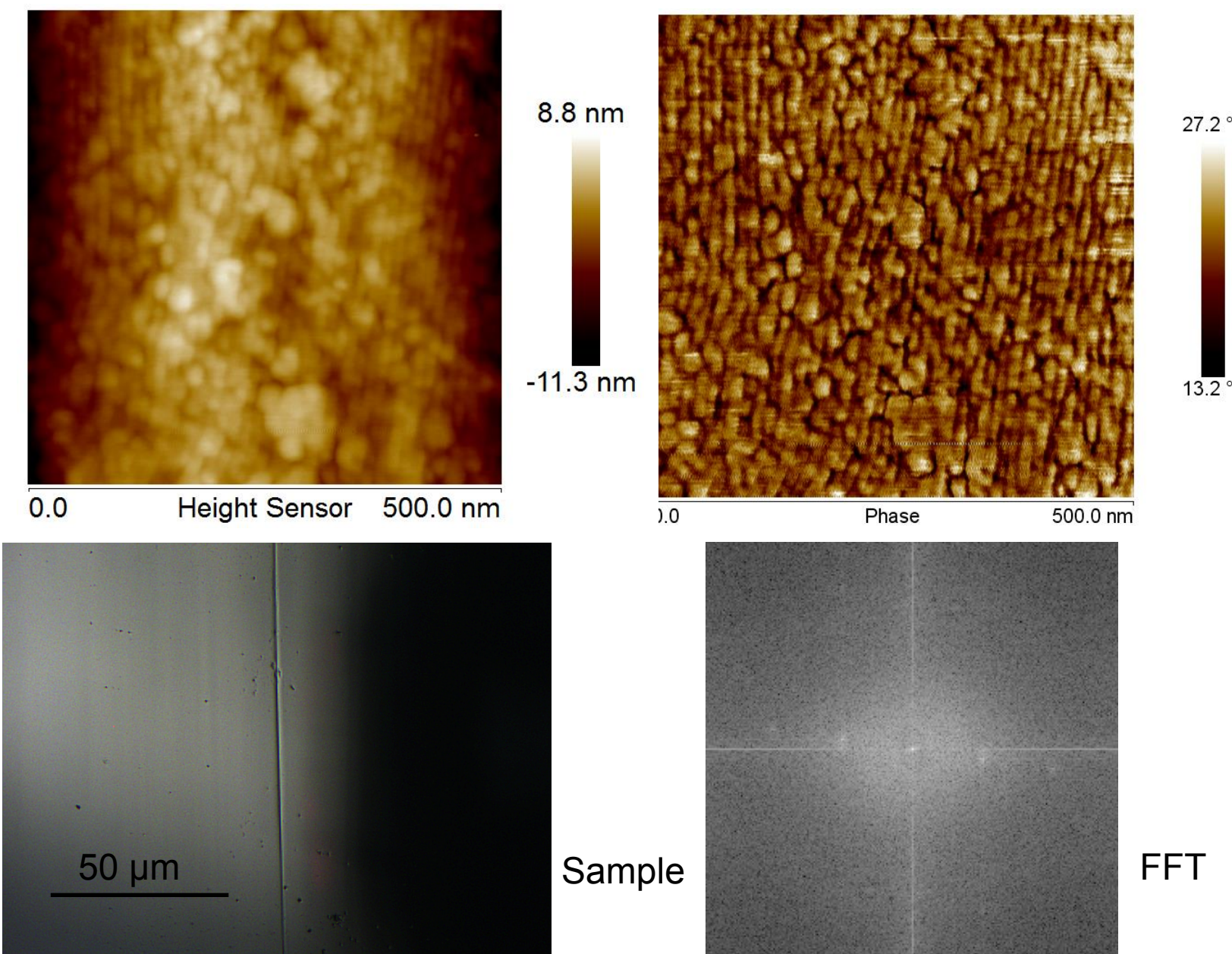


Figure S54 – Individual 5, Unstretched, Fiber 10, Image 46, 2018/02/08

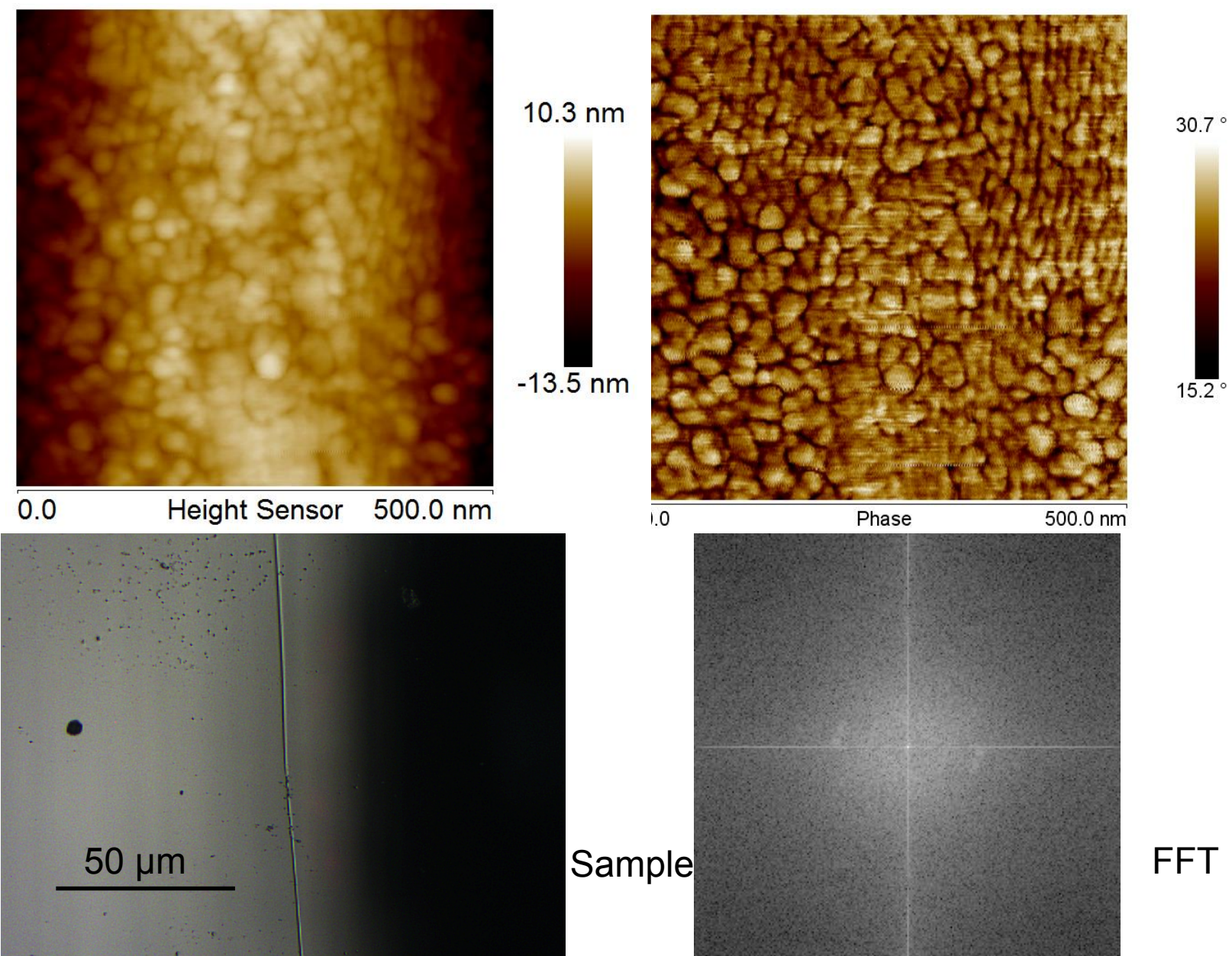
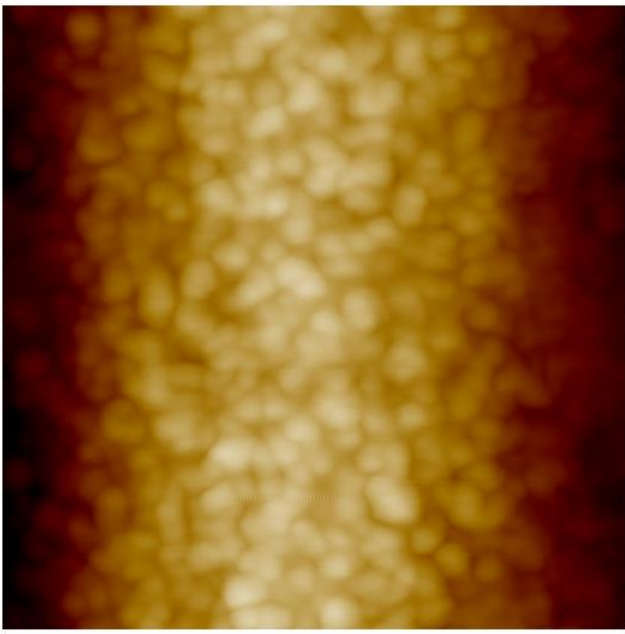
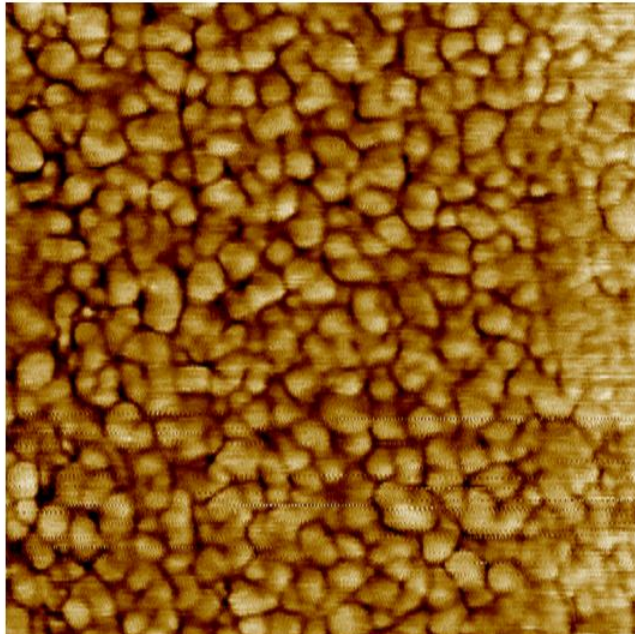


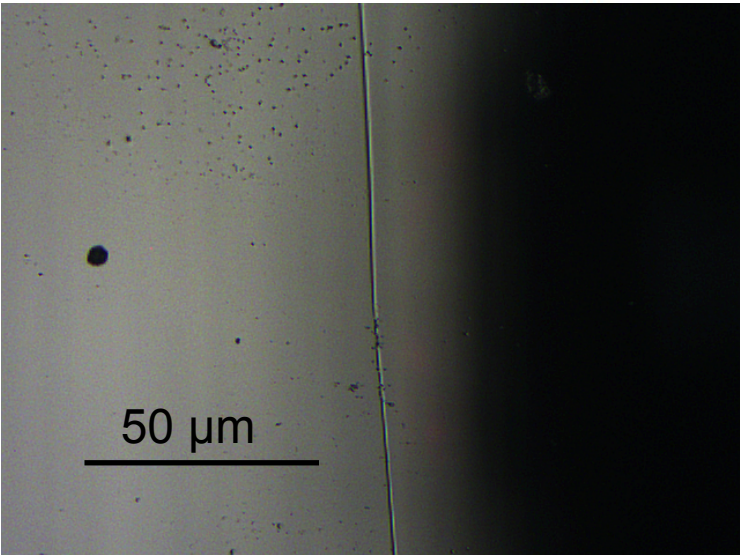
Figure S55 – Individual 5, Unstretched, Fiber 10, Image 47, 2018/02/08



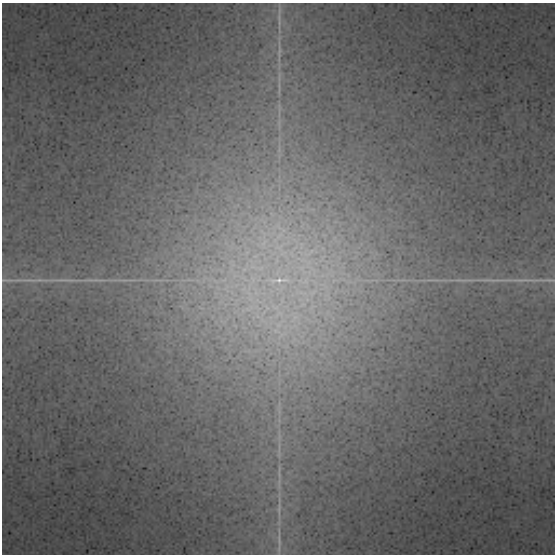
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

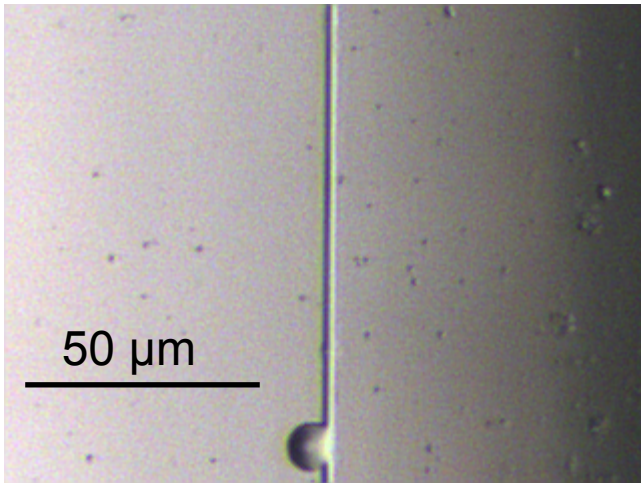
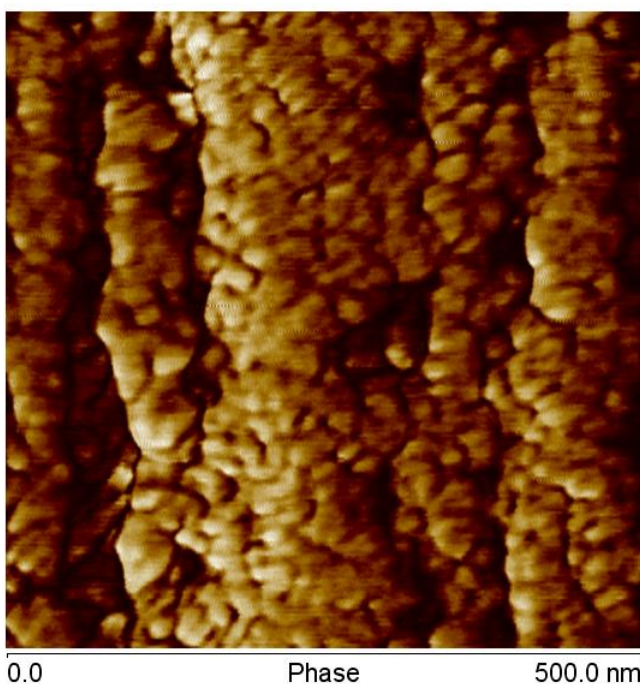
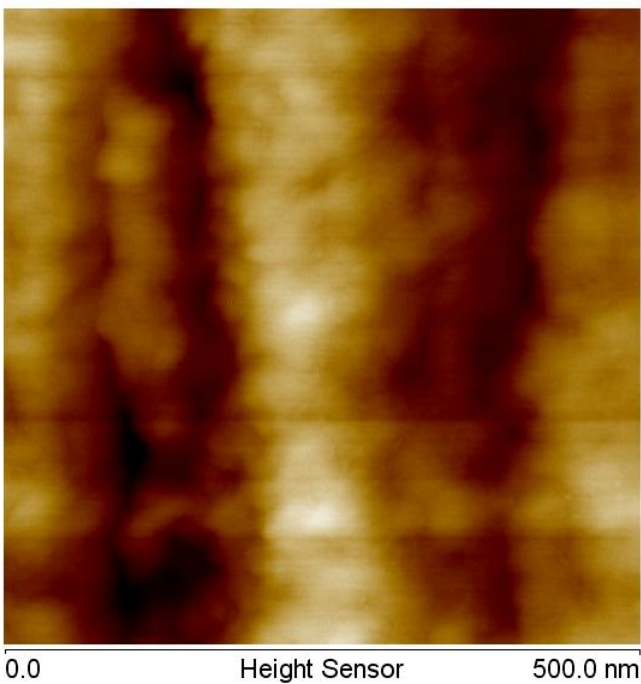


Sample

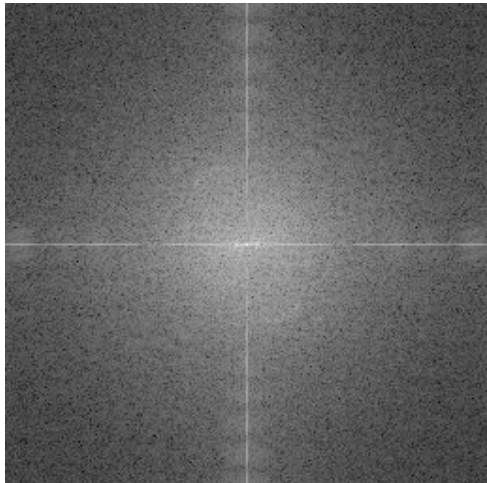


FFT

Figure S56 – Individual 6, Stretched, Fiber 11, Image 48, 2018/03/02

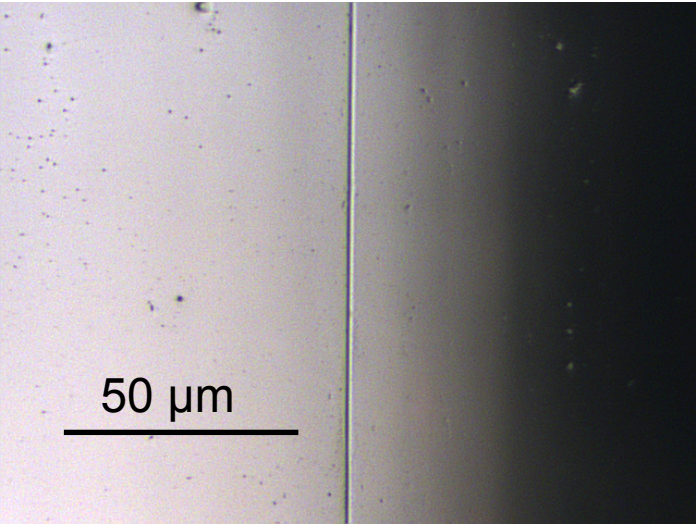
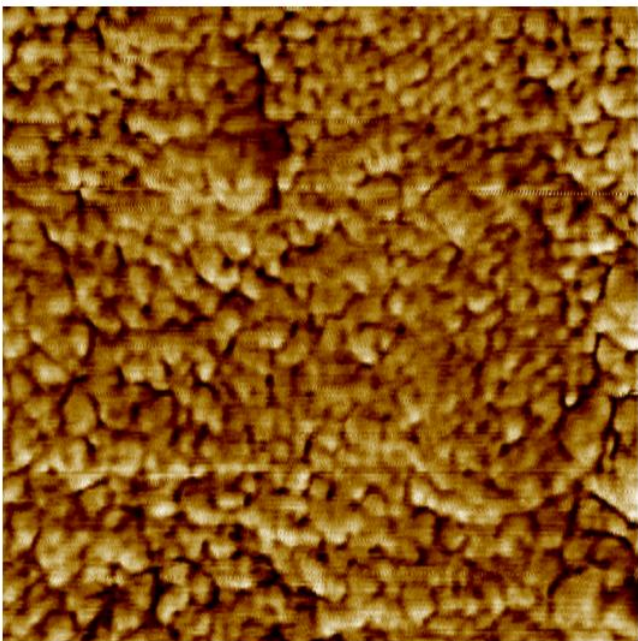
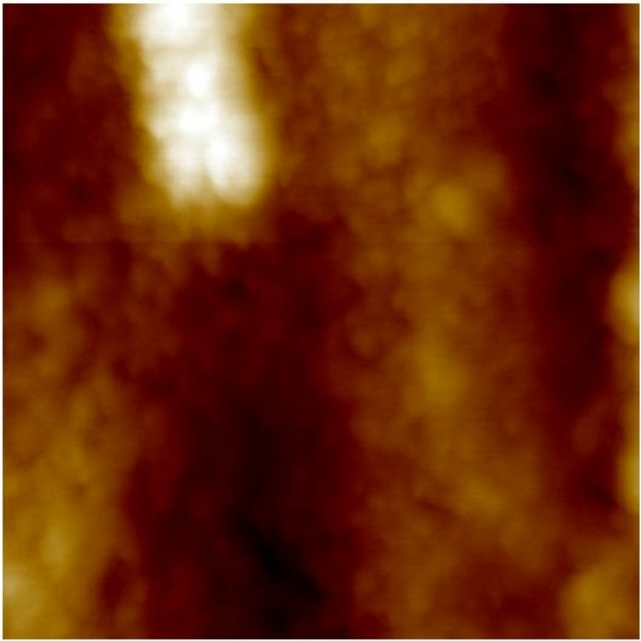


Sample

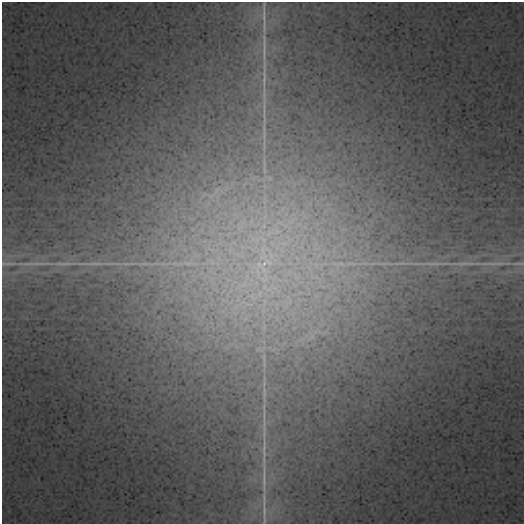


FFT

Figure S57 – Individual 6, Stretched, Fiber 11, Image 49, 2018/03/02

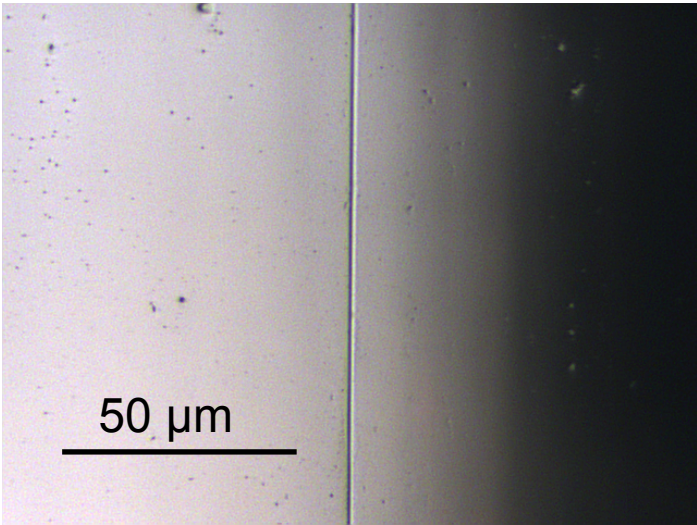
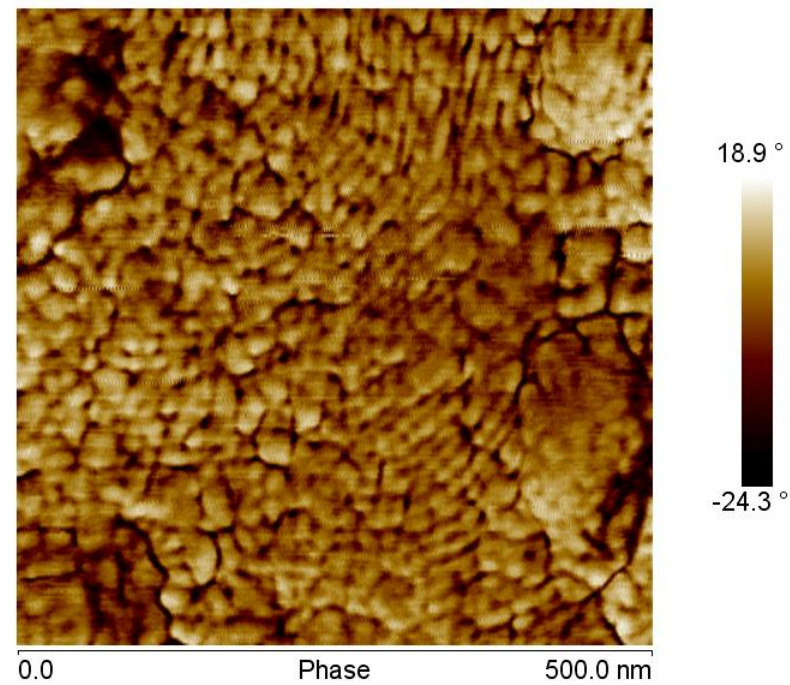
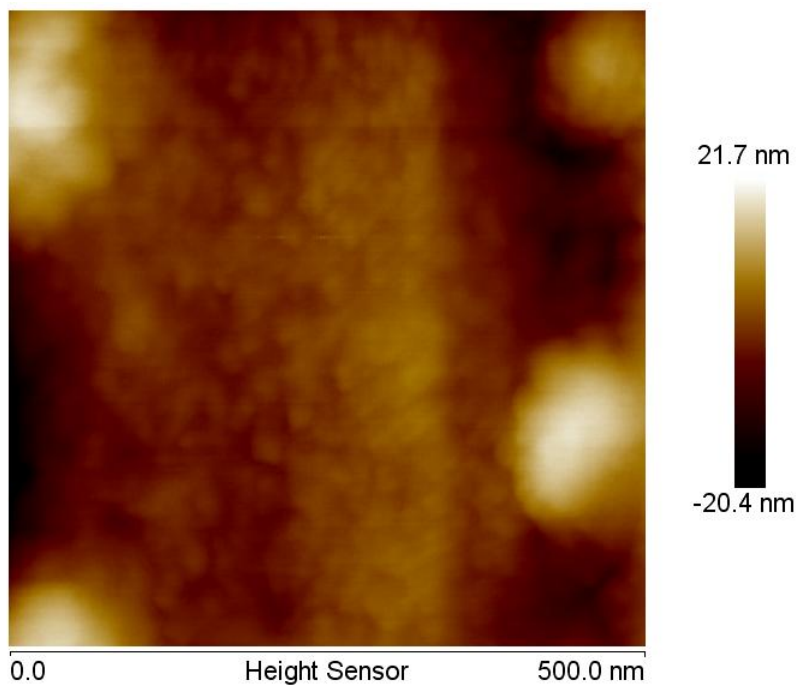


Sample

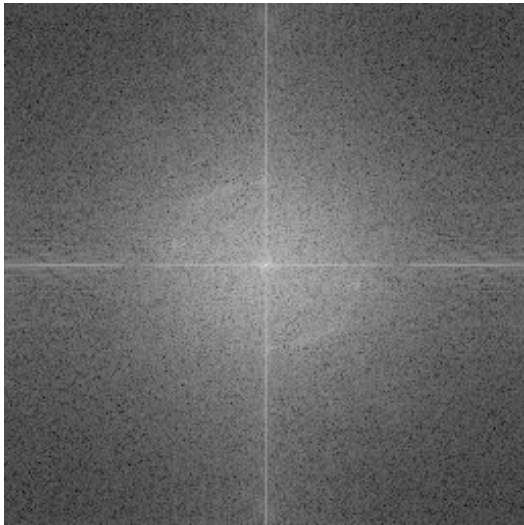


FFT

Figure S58 – Individual 6, Stretched, Fiber 11, Image 50, 2018/03/02

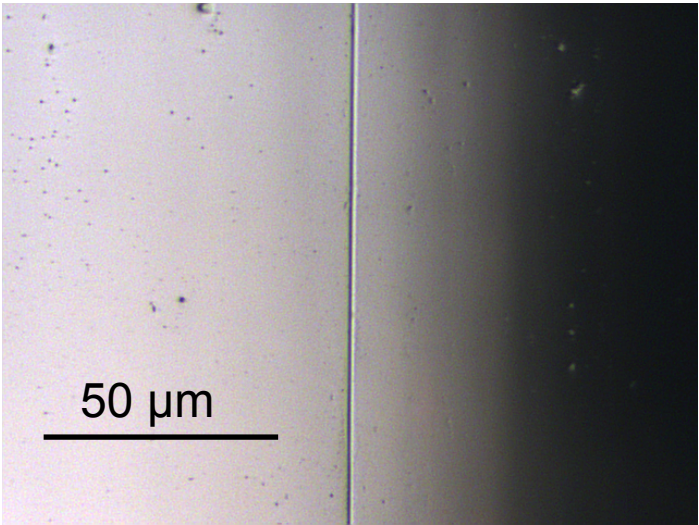
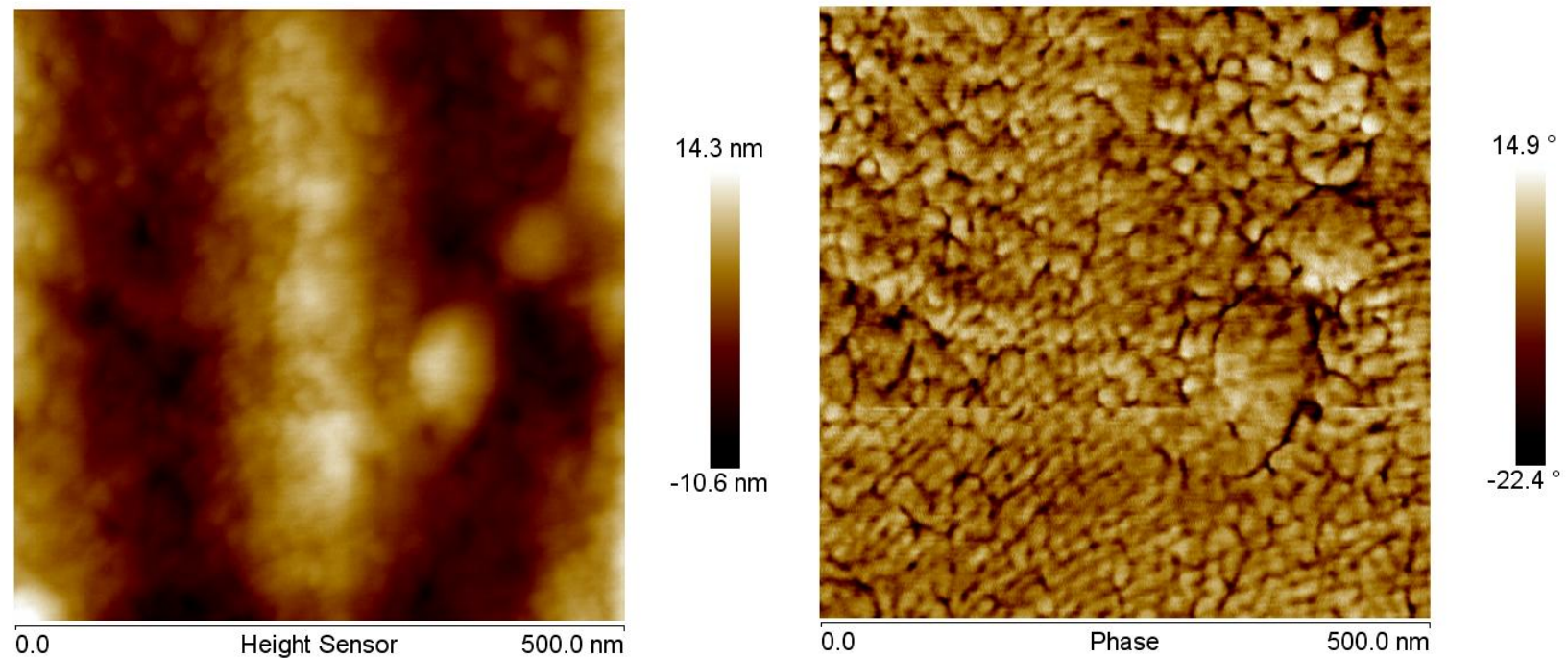


Sample

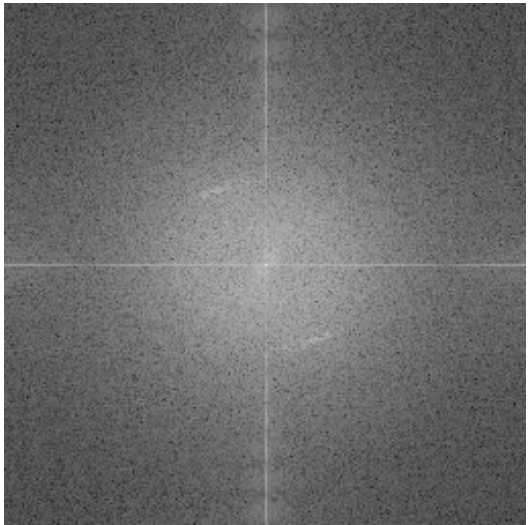


FFT

Figure S59 – Individual 6, Stretched, Fiber 11, Image 51, 2018/03/02

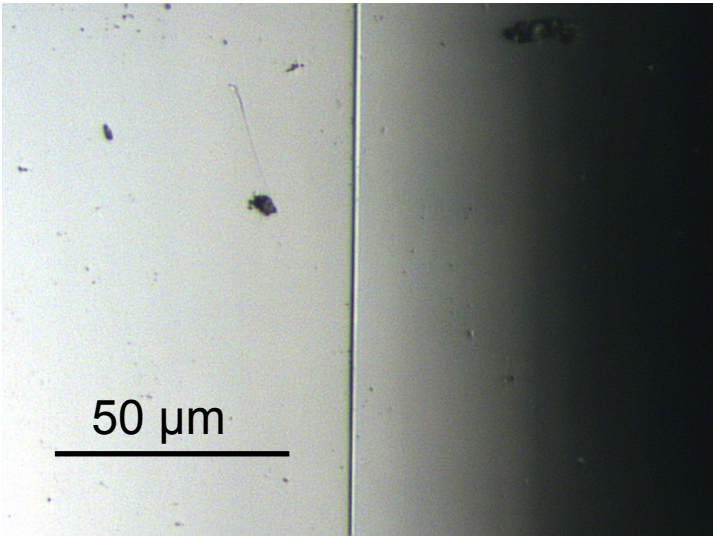
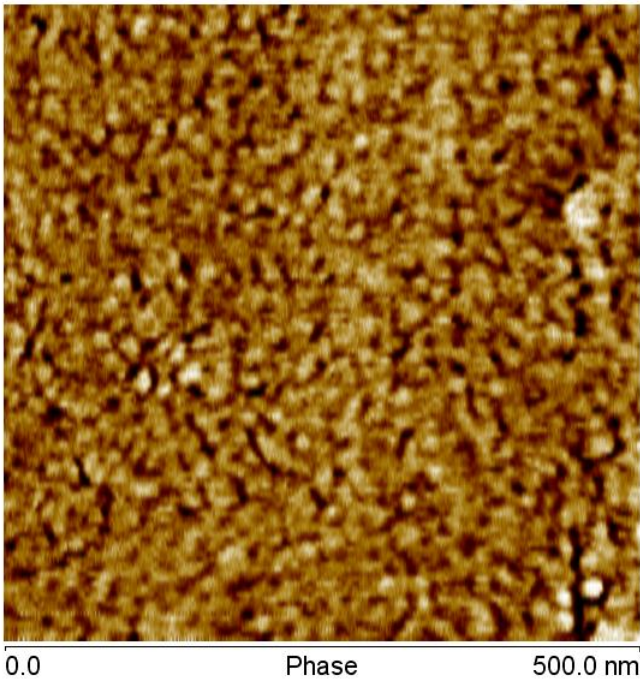
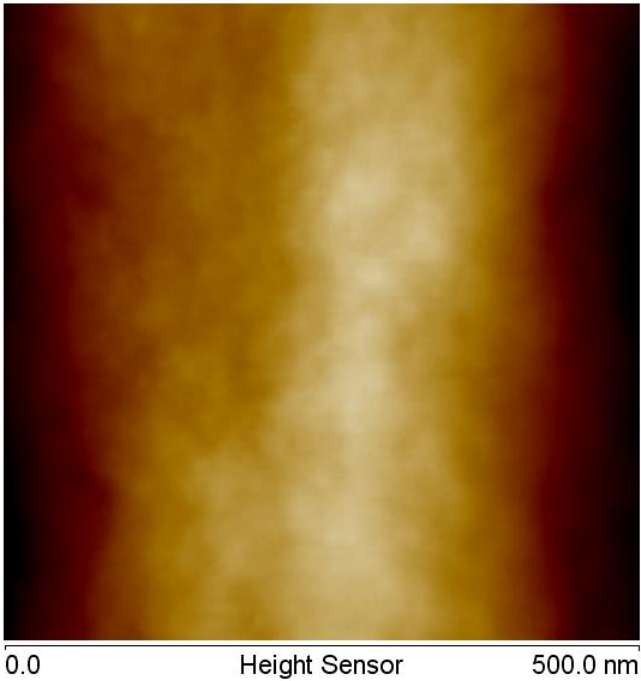


Sample

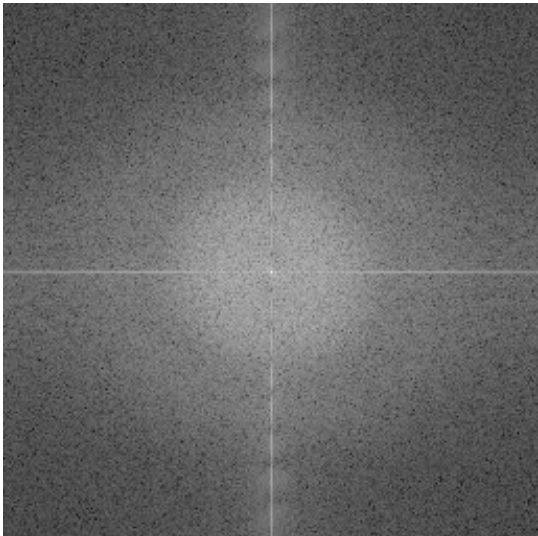


FFT

Figure S60 – Individual 6, Stretched, Fiber 11, Image 52, 2018/03/02



Sample



FFT

Figure S61 – Individual 7, Stretched, Fiber 12, Image 53, 2018/03/02

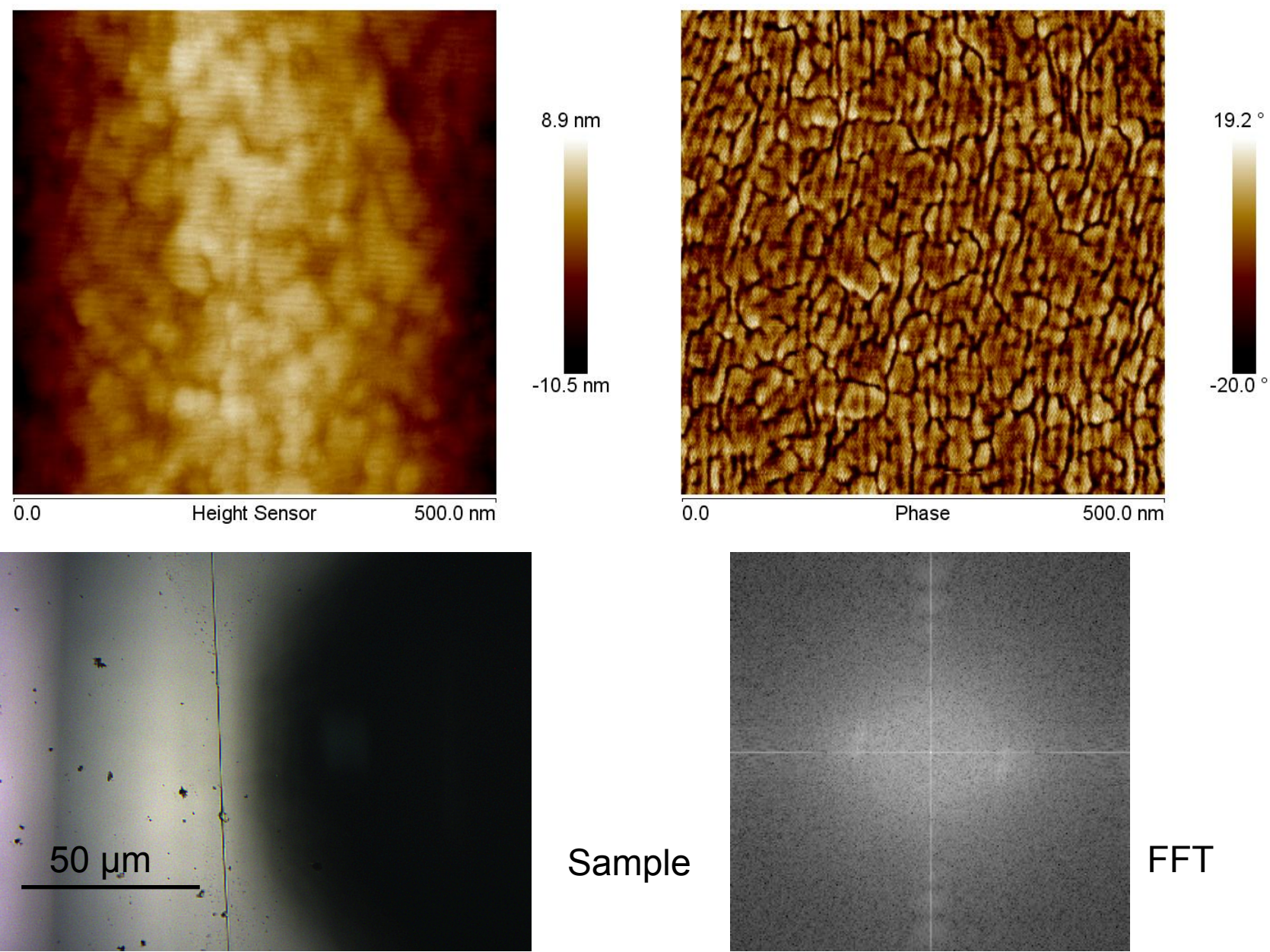
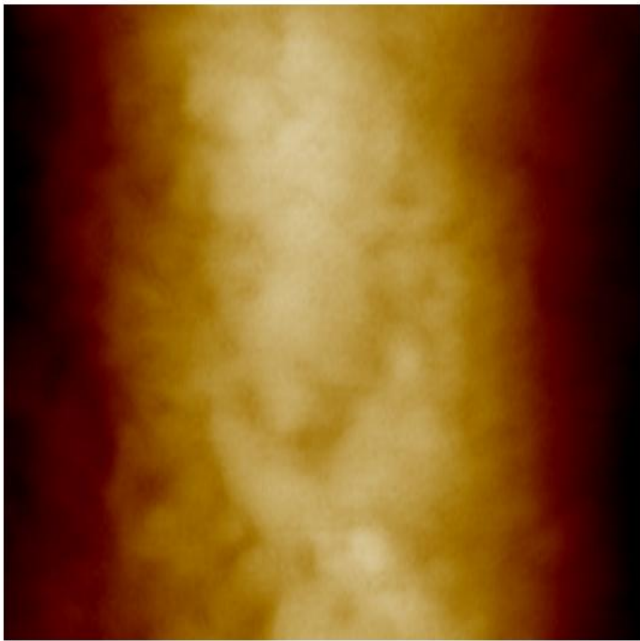
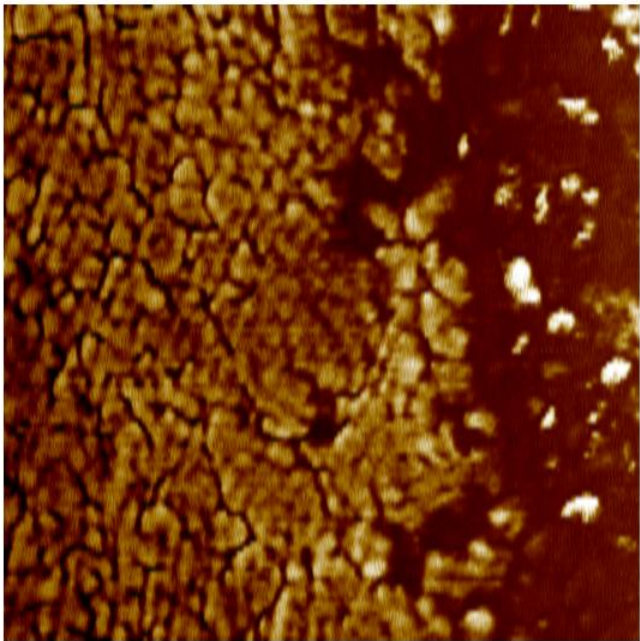


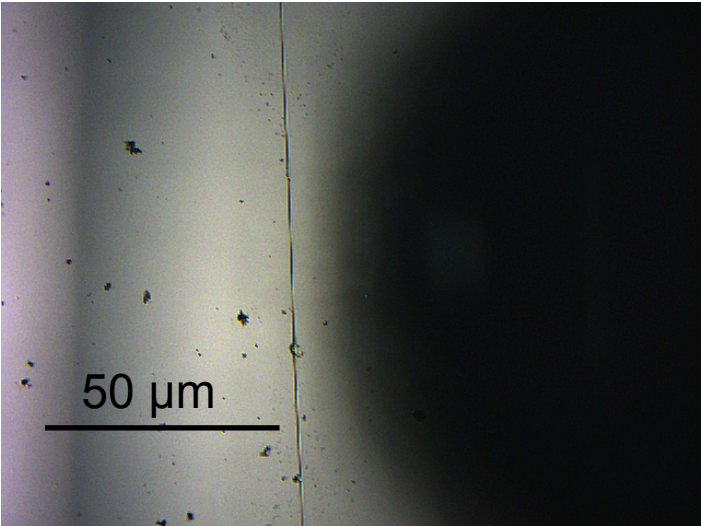
Figure S62 – Individual 7, Stretched, Fiber 12, Image 54, 2018/03/02



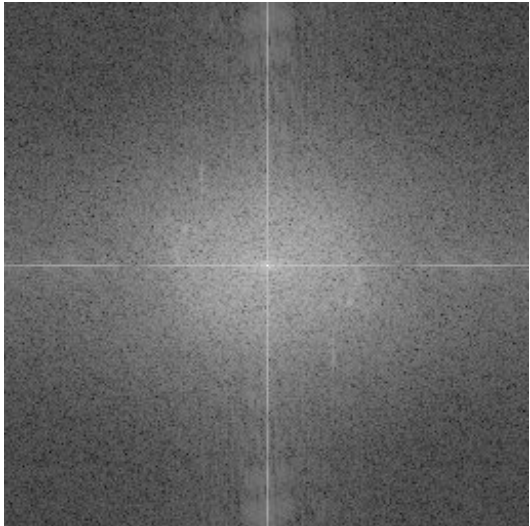
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



FFT

Figure S63 – Individual 7, Stretched, Fiber 12, Image 55, 2018/03/02

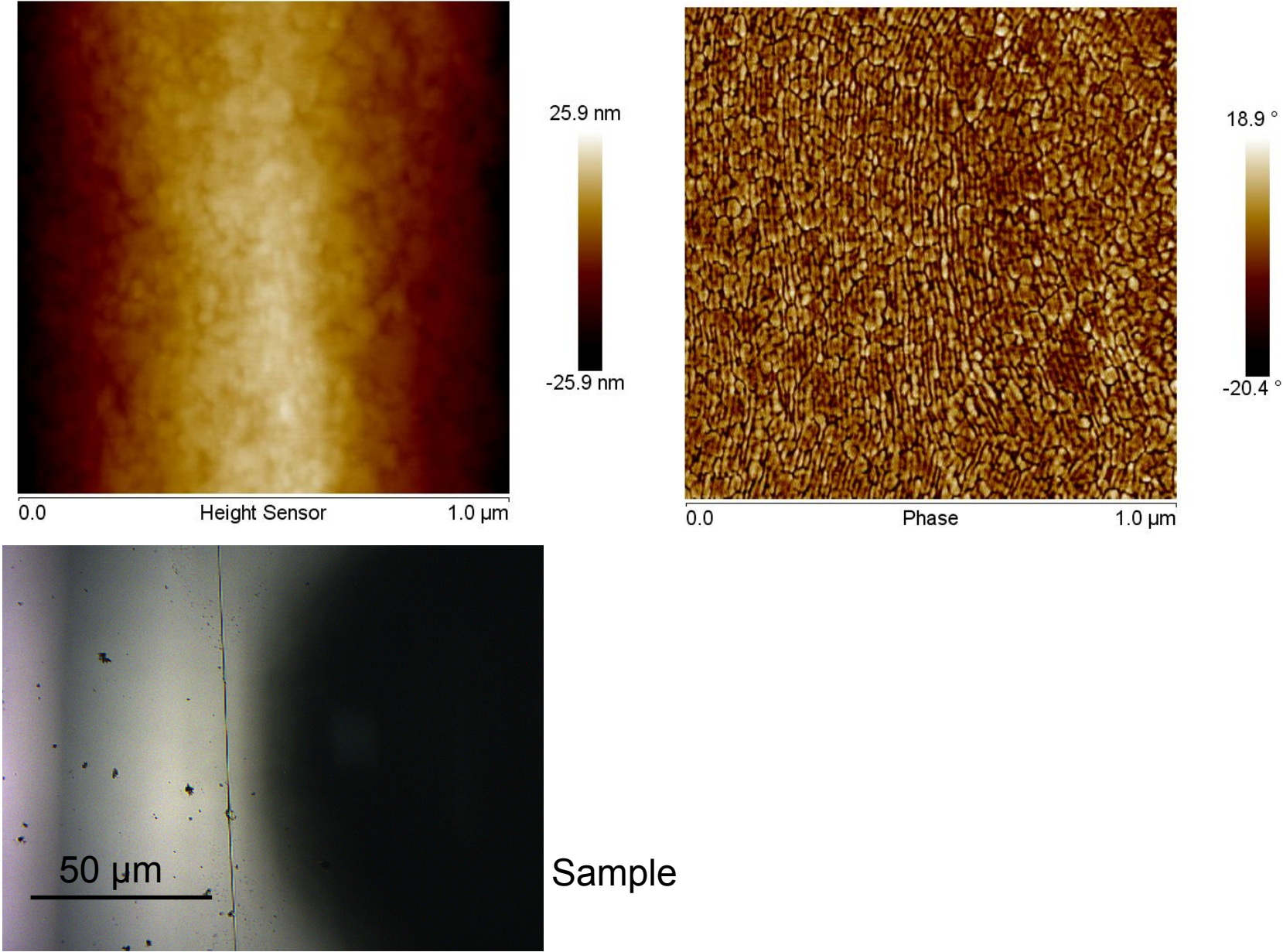
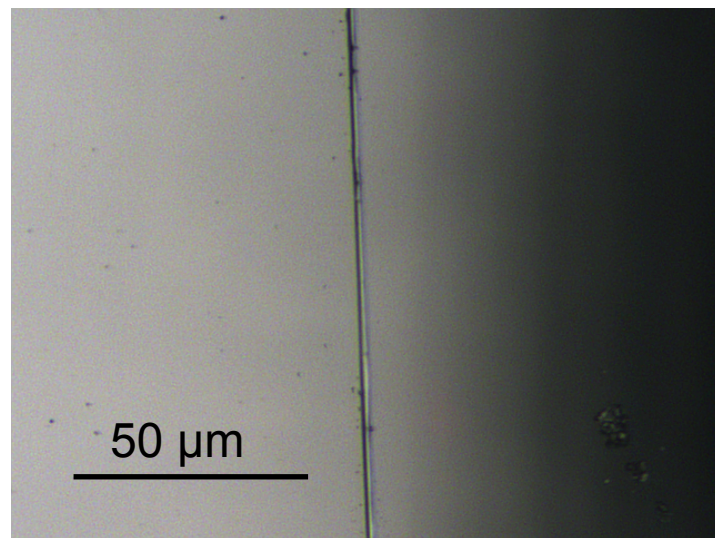
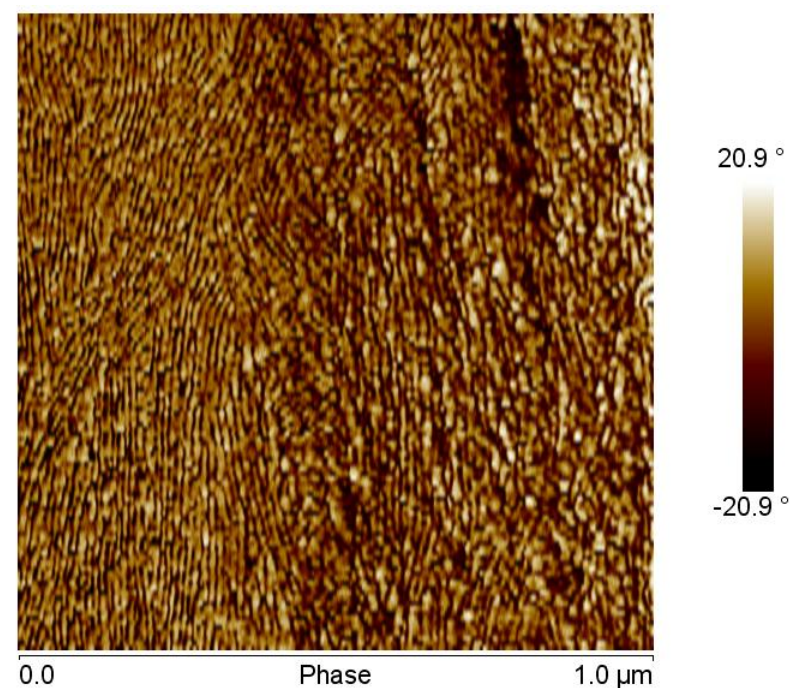
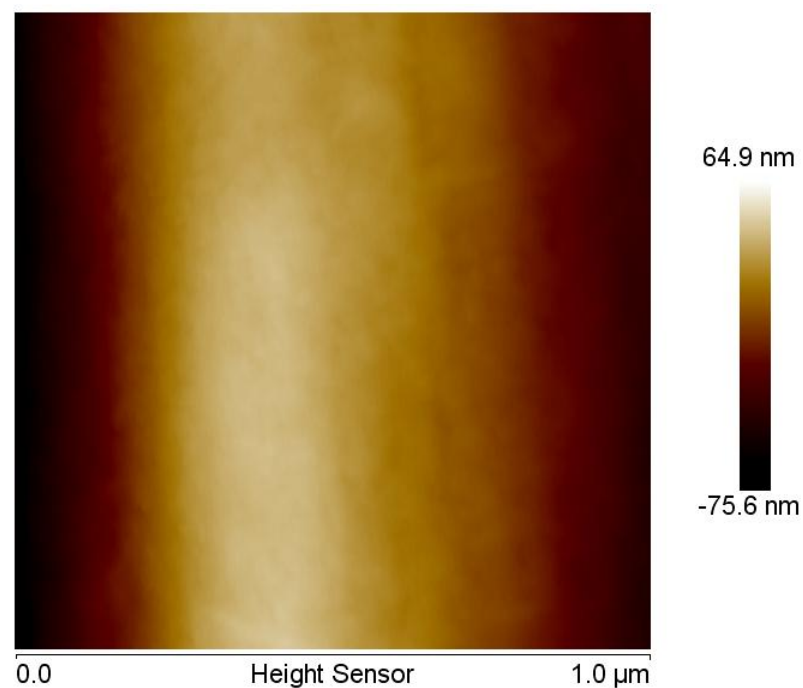


Figure S64 – Individual 7, Stretched, Fiber 12, Image 56, 2018/03/02



Sample

Figure S65 – Individual 7, Stretched, Fiber 12, Image 57, 2018/03/02

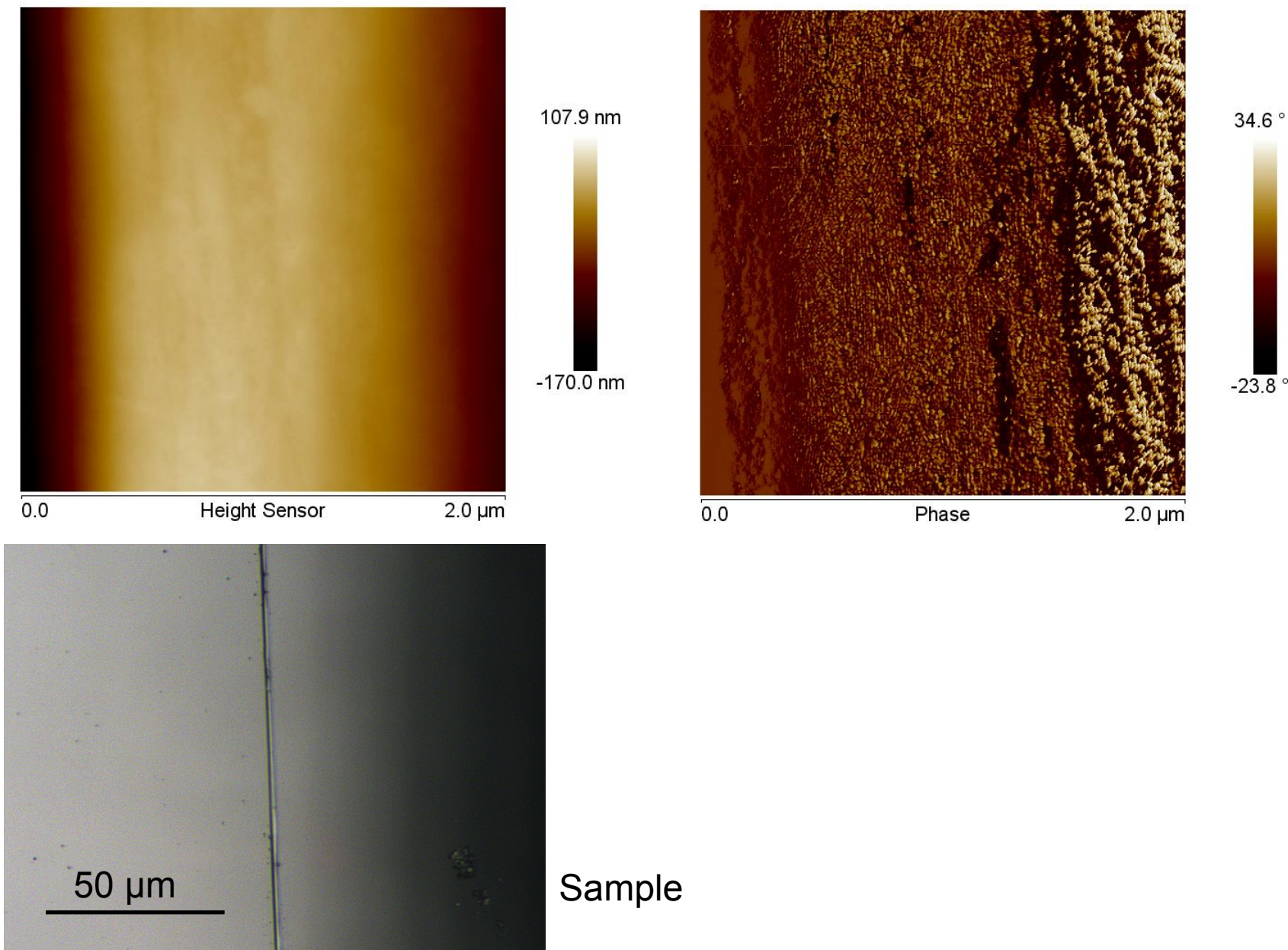


Figure S66 – Individual 7, Stretched, Fiber 12, Image 58, 2018/03/02

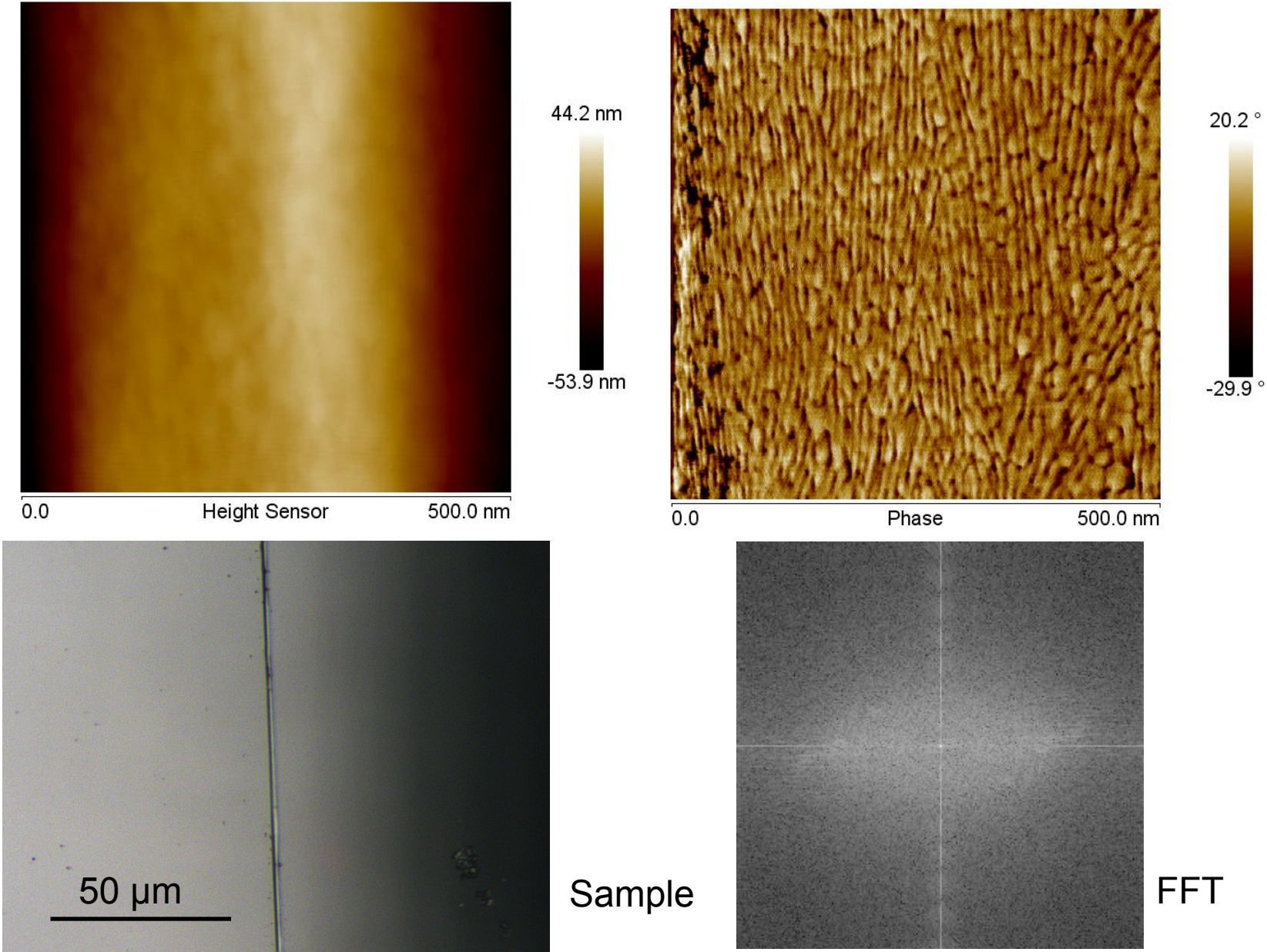


Figure S67 – Individual 7, Stretched, Fiber 12, Image 59, 2018/03/02

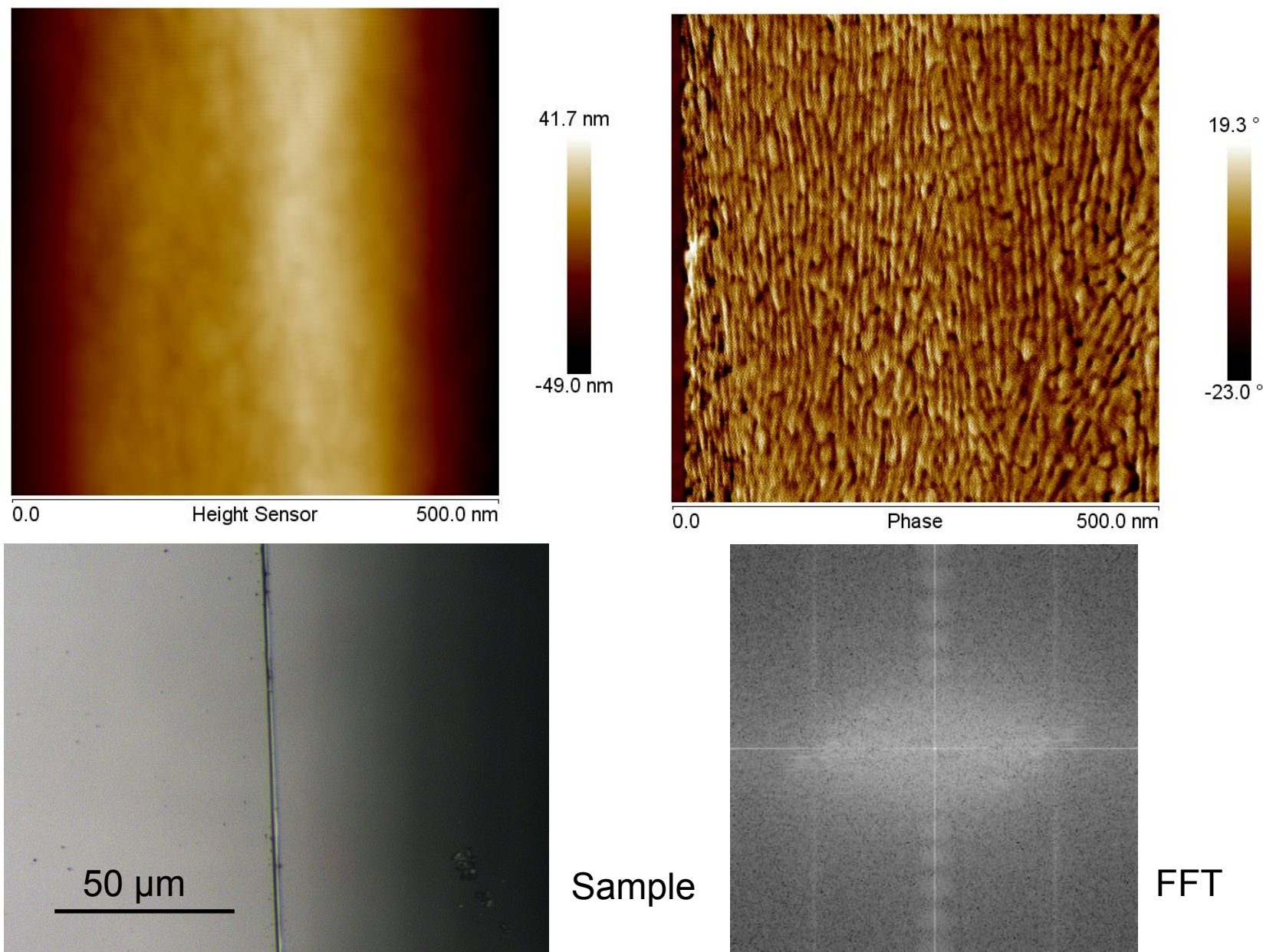


Figure S68 – Individual 8, Stretched, Fiber 13, Image 60, 2018/03/02

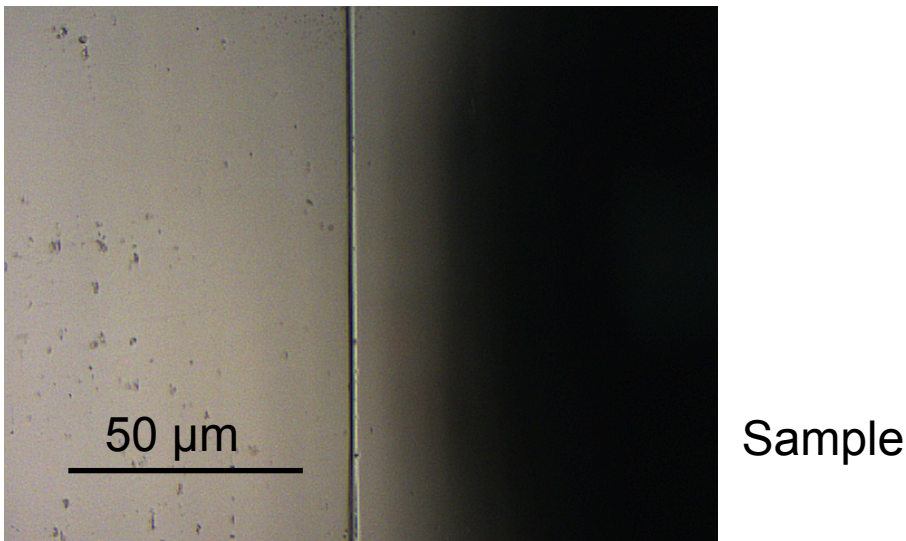
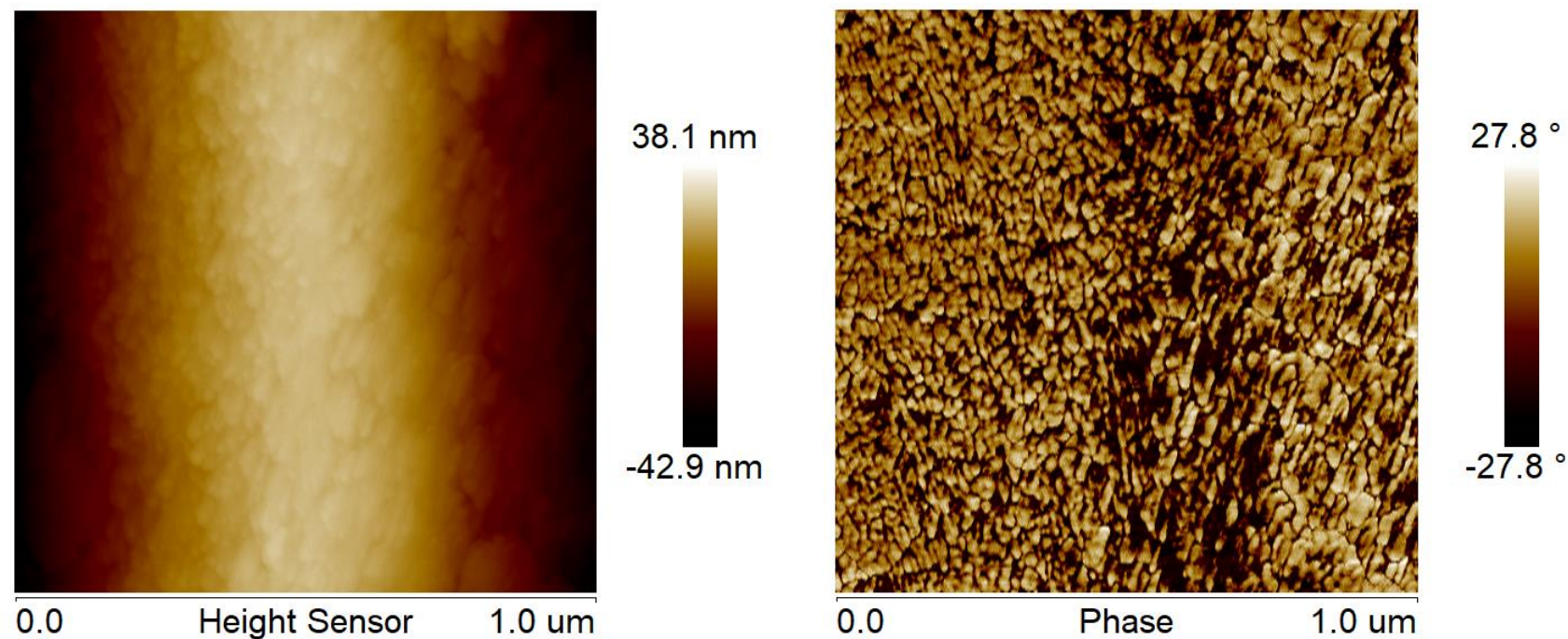
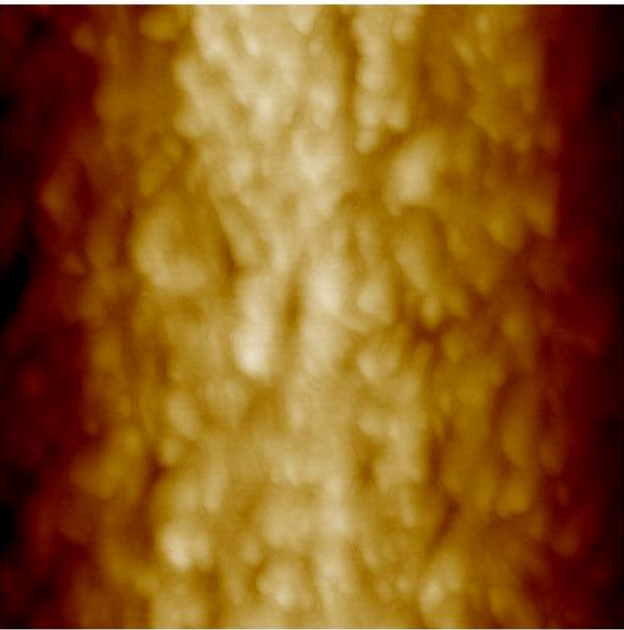
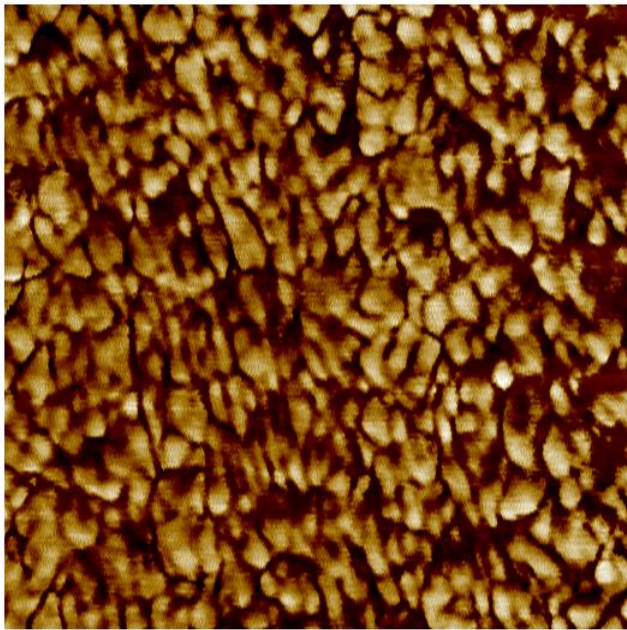


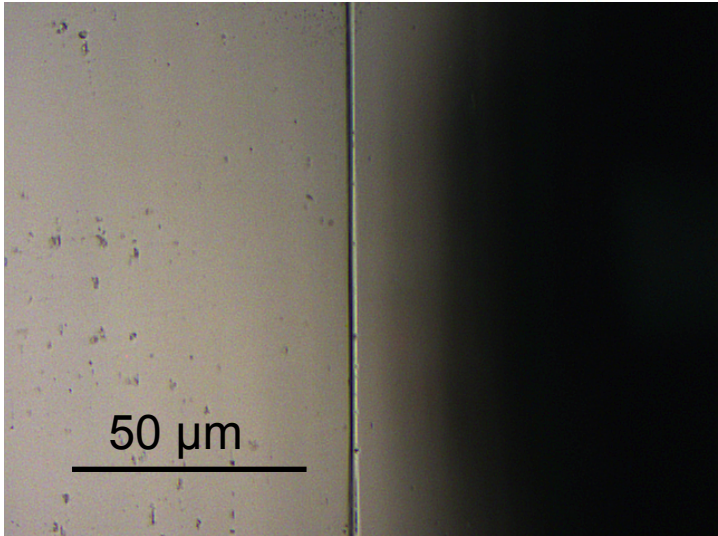
Figure S69 – Individual 8, Stretched, Fiber 13, Image 61, 2018/03/02



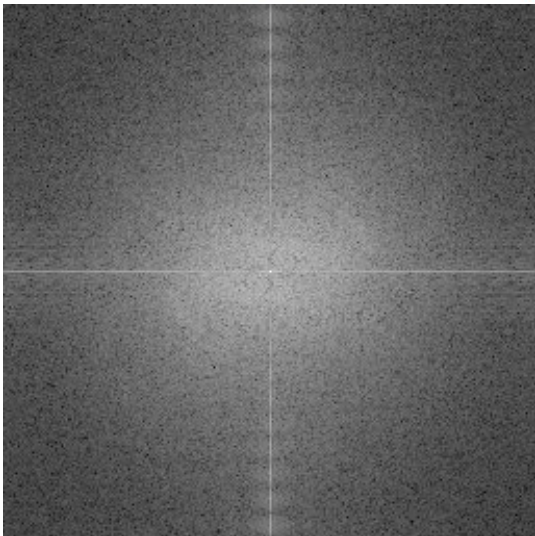
0.0 Height Sensor 499.0 nm



0.0 Phase 499.0 nm



Sample



FFT

Figure S70 – Individual 8, Stretched, Fiber 13, Image 62, 2018/03/02

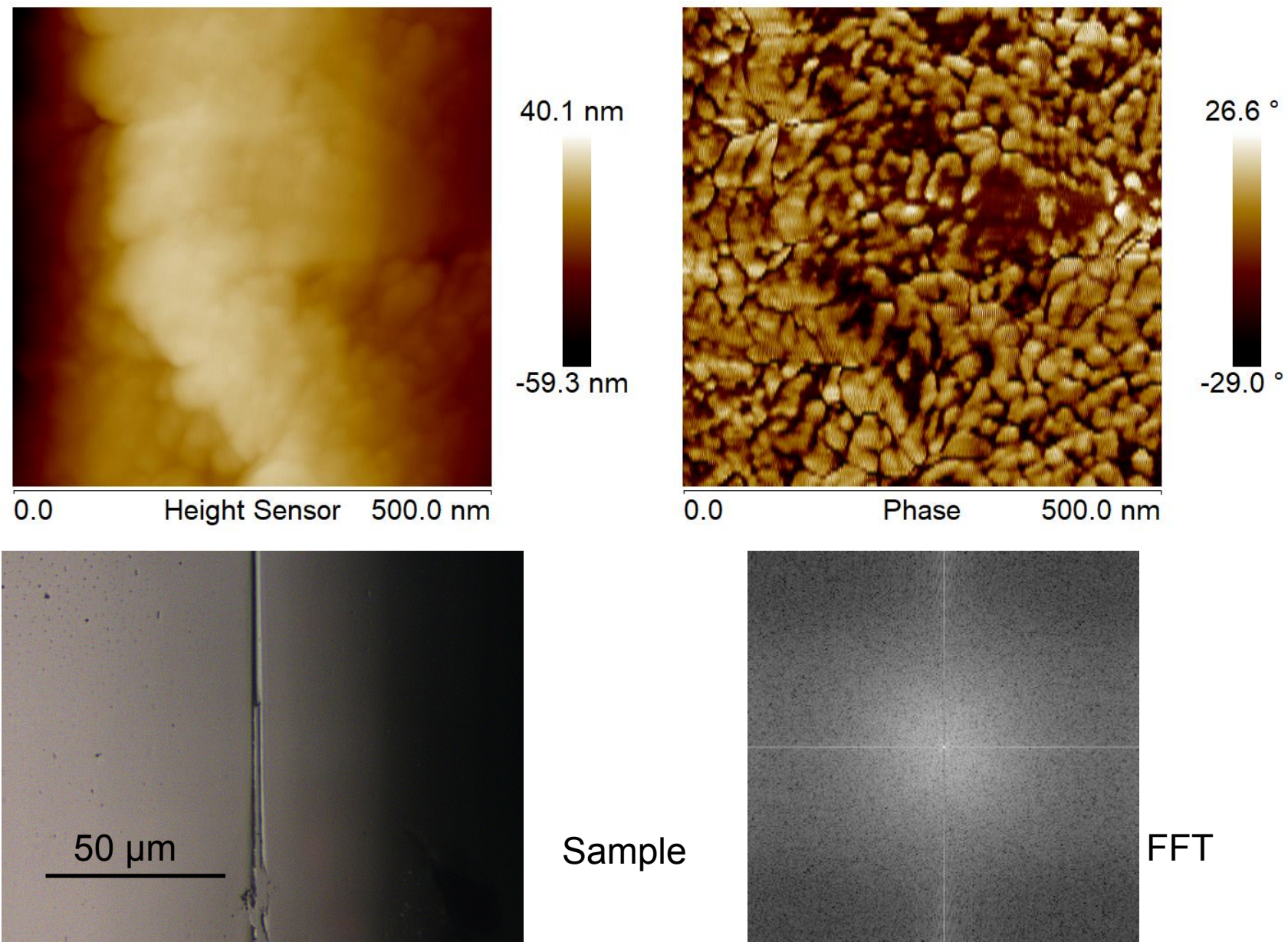


Figure S71 – Individual 8, Stretched, Fiber 13, Image 63, 2018/03/02

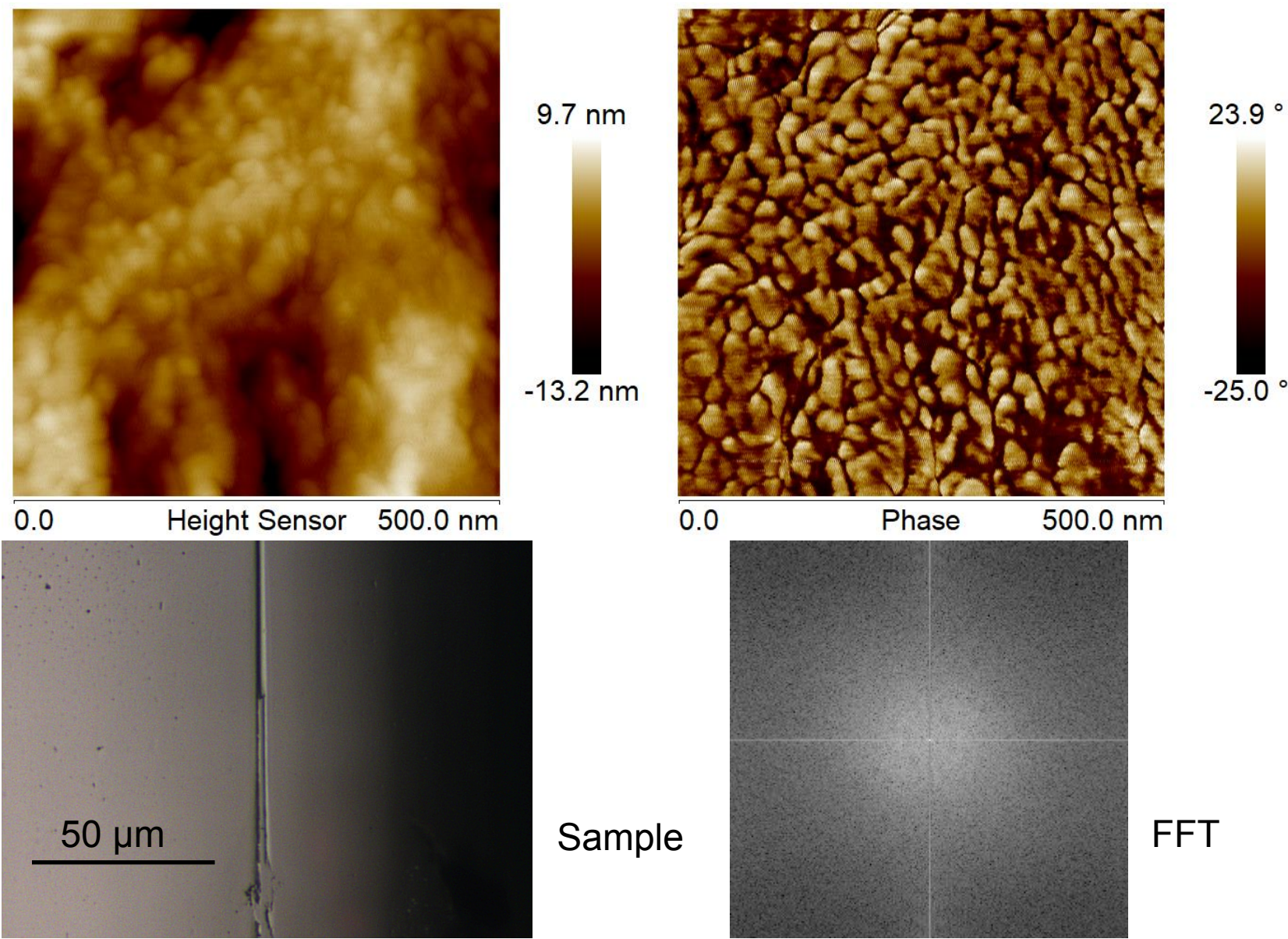


Figure S72– Individual 8, Stretched, Fiber 13, Image 64, 2018/03/02

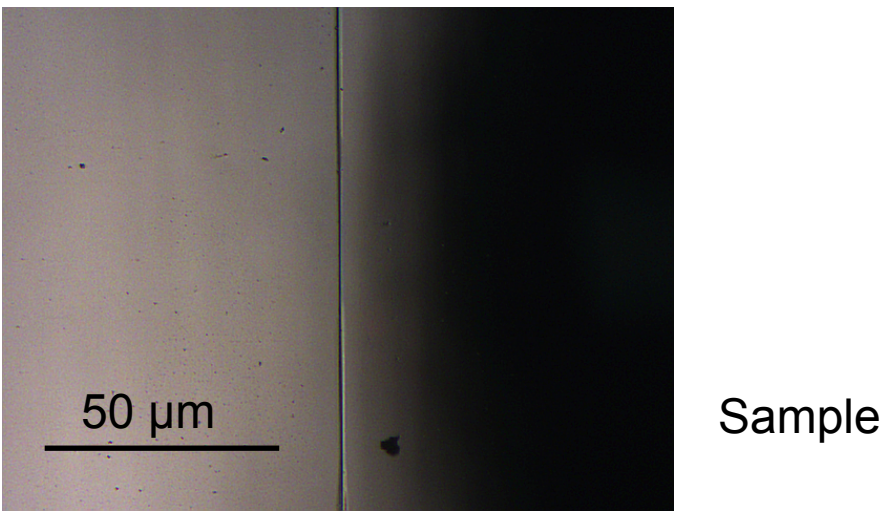
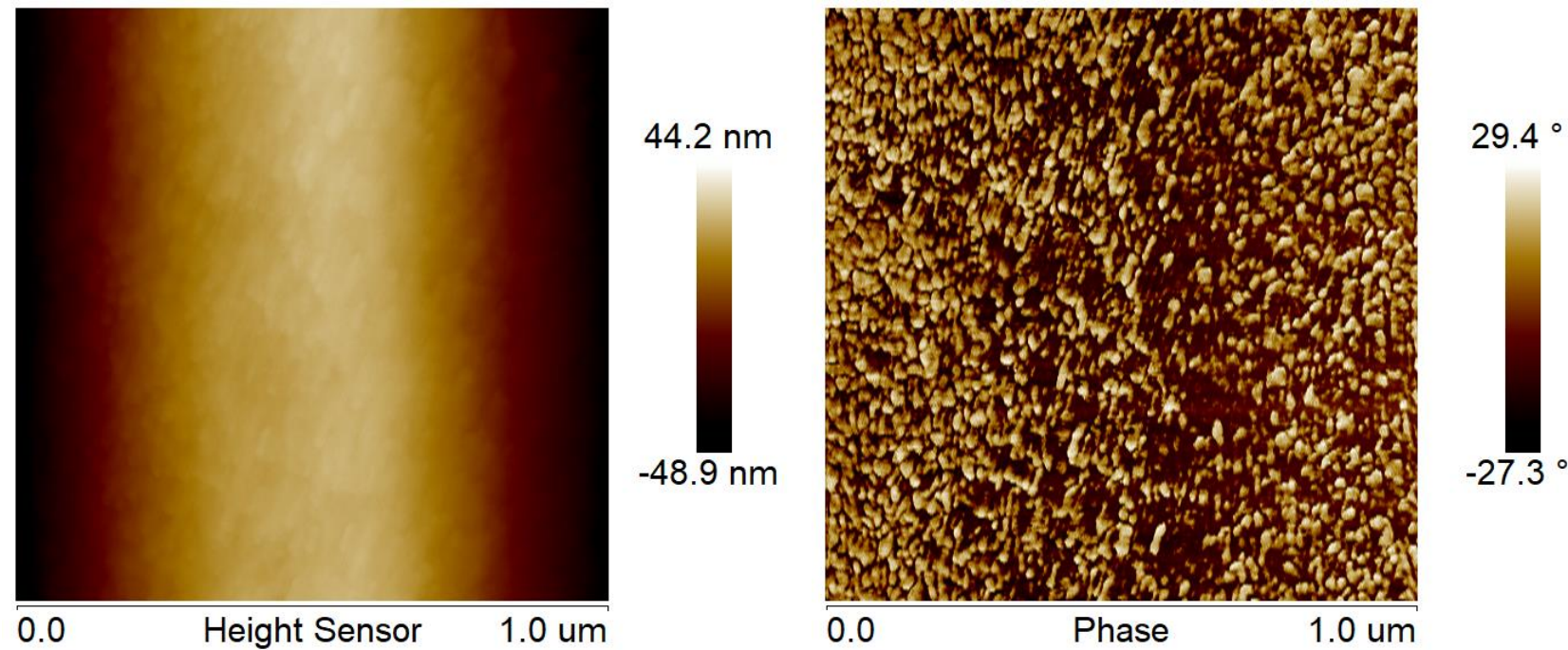


Figure S73 – Individual 8, Stretched, Fiber 13, Image 65, 2018/03/02

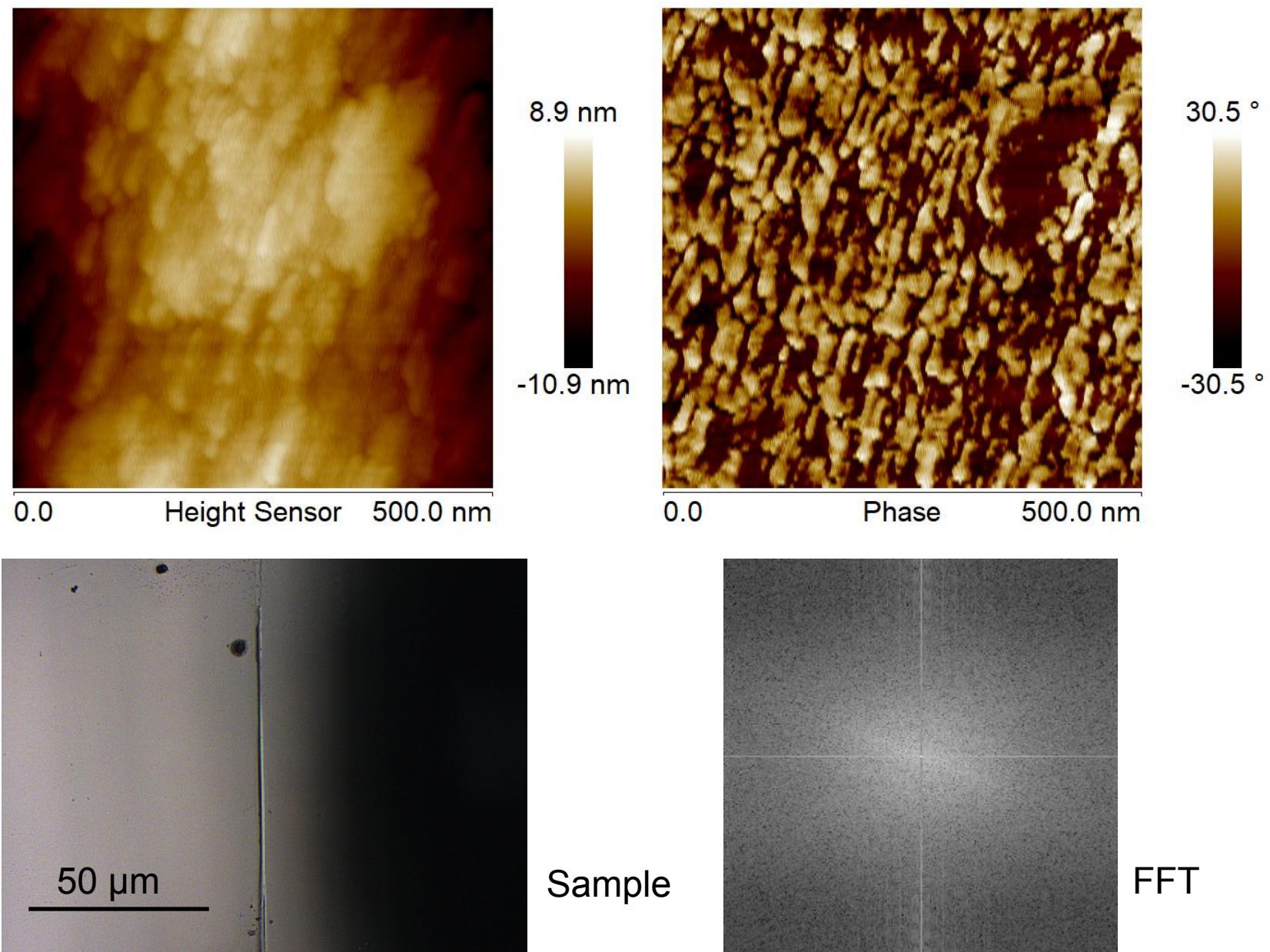


Figure S74 – Individual 8, Stretched, Fiber 13, Image 66, 2018/03/02

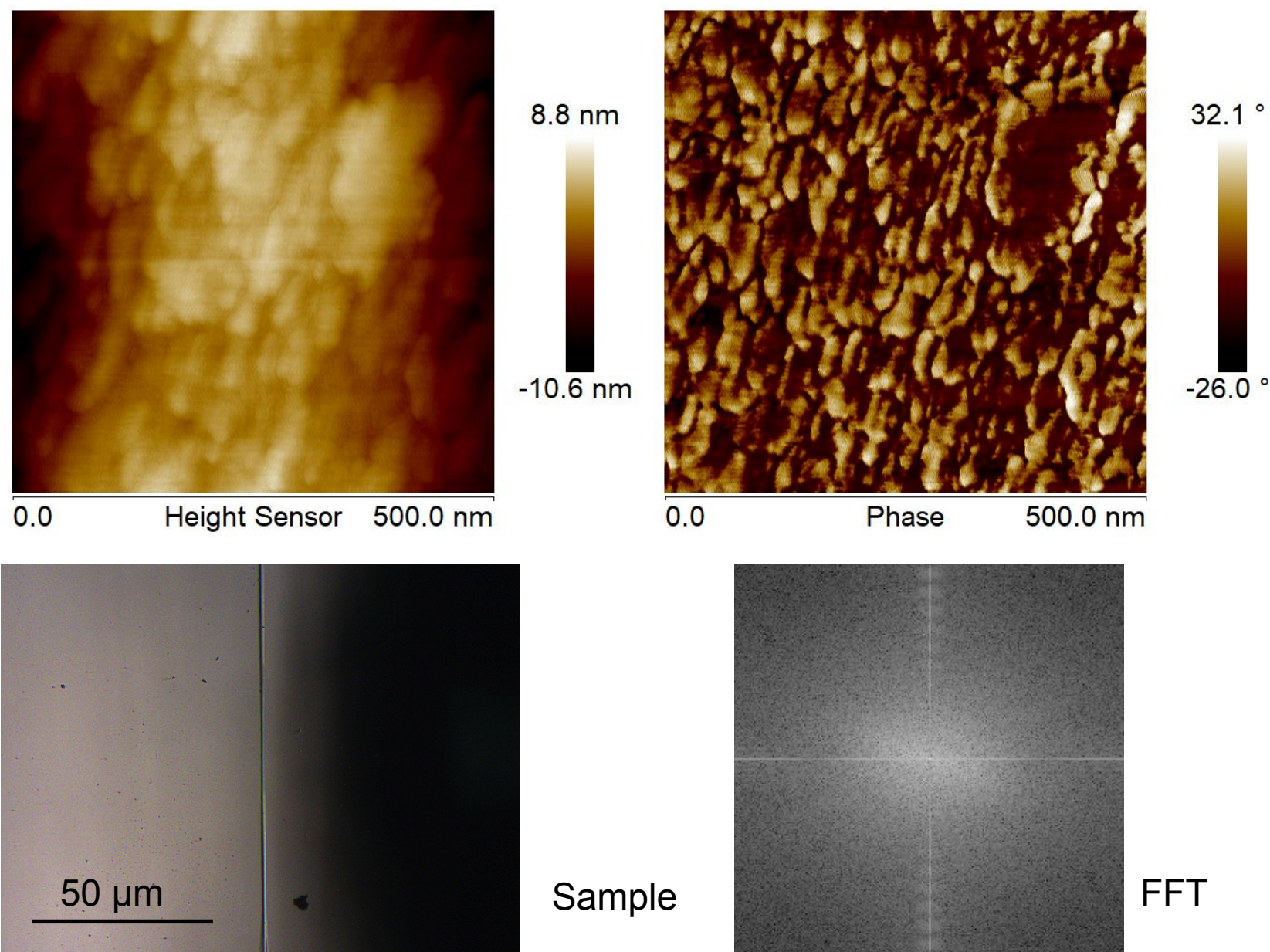
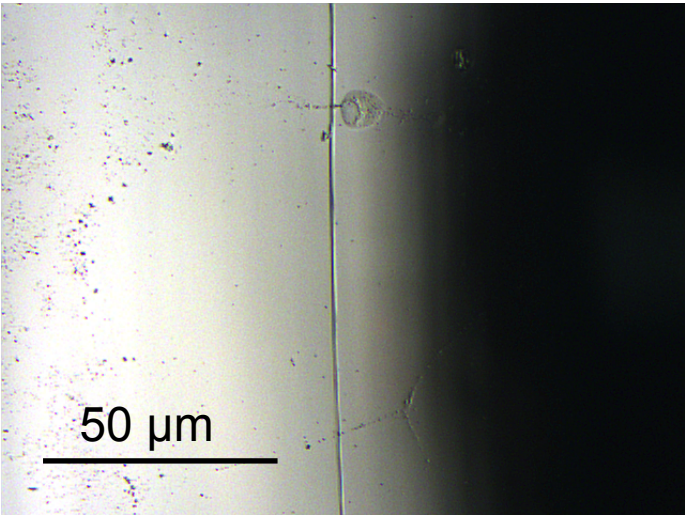
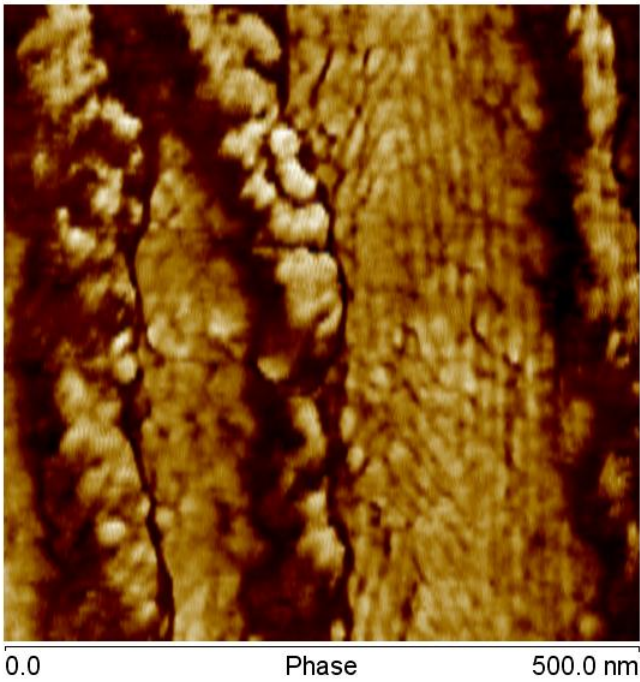
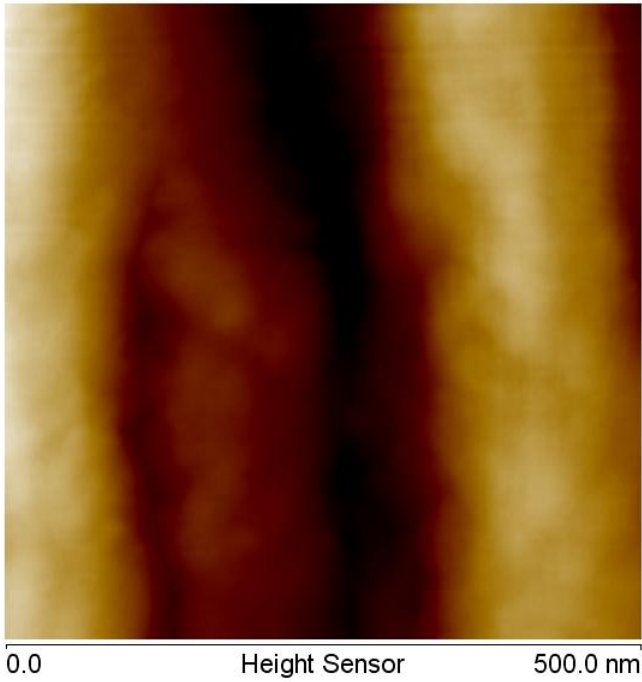
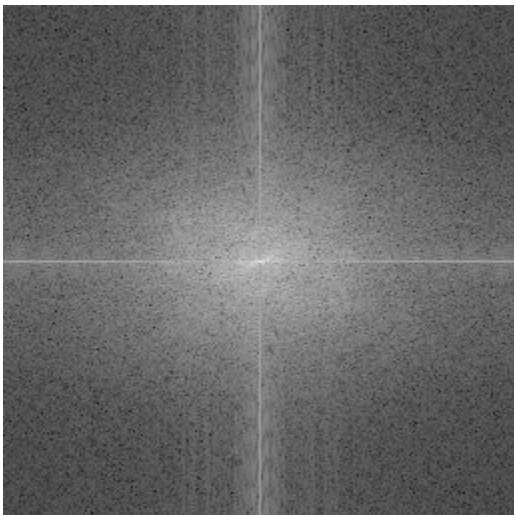


Figure S75 – Individual 6, Unstretched, Fiber 14, Image 67, 2018/03/02

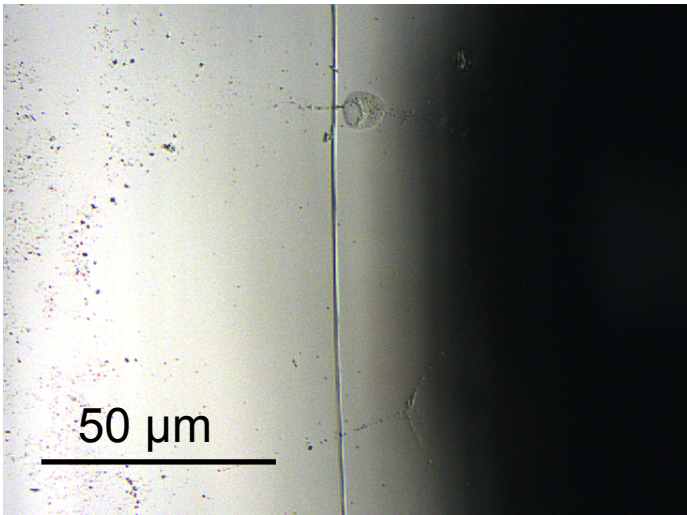
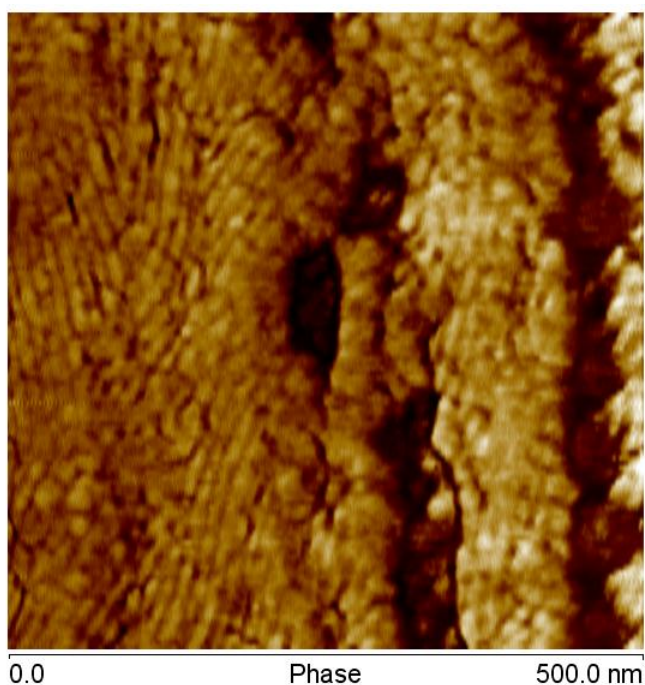
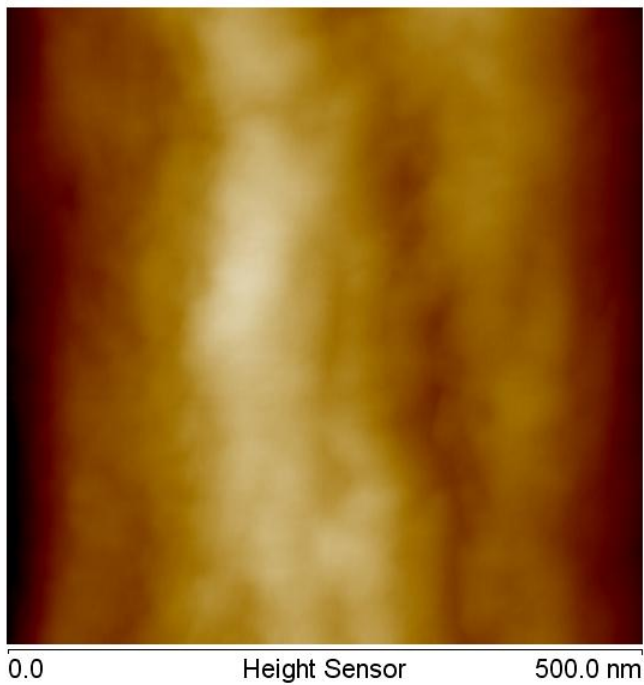


Sample

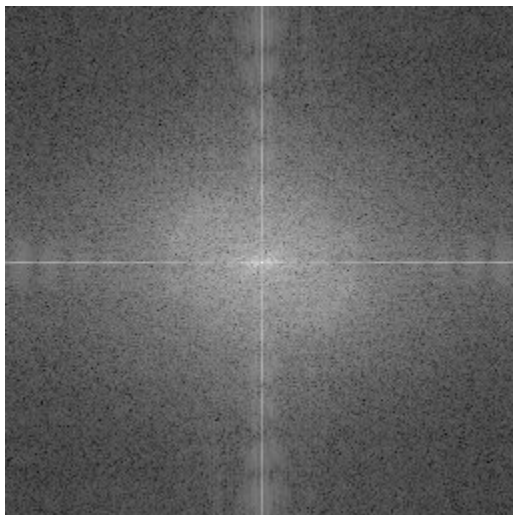


FFT

Figure S76 – Individual 6, Unstretched, Fiber 14, Image 68, 2018/03/02



Sample



FFT

Figure S77 – Individual 6, Unstretched, Fiber 14, Image 69, 2018/03/02

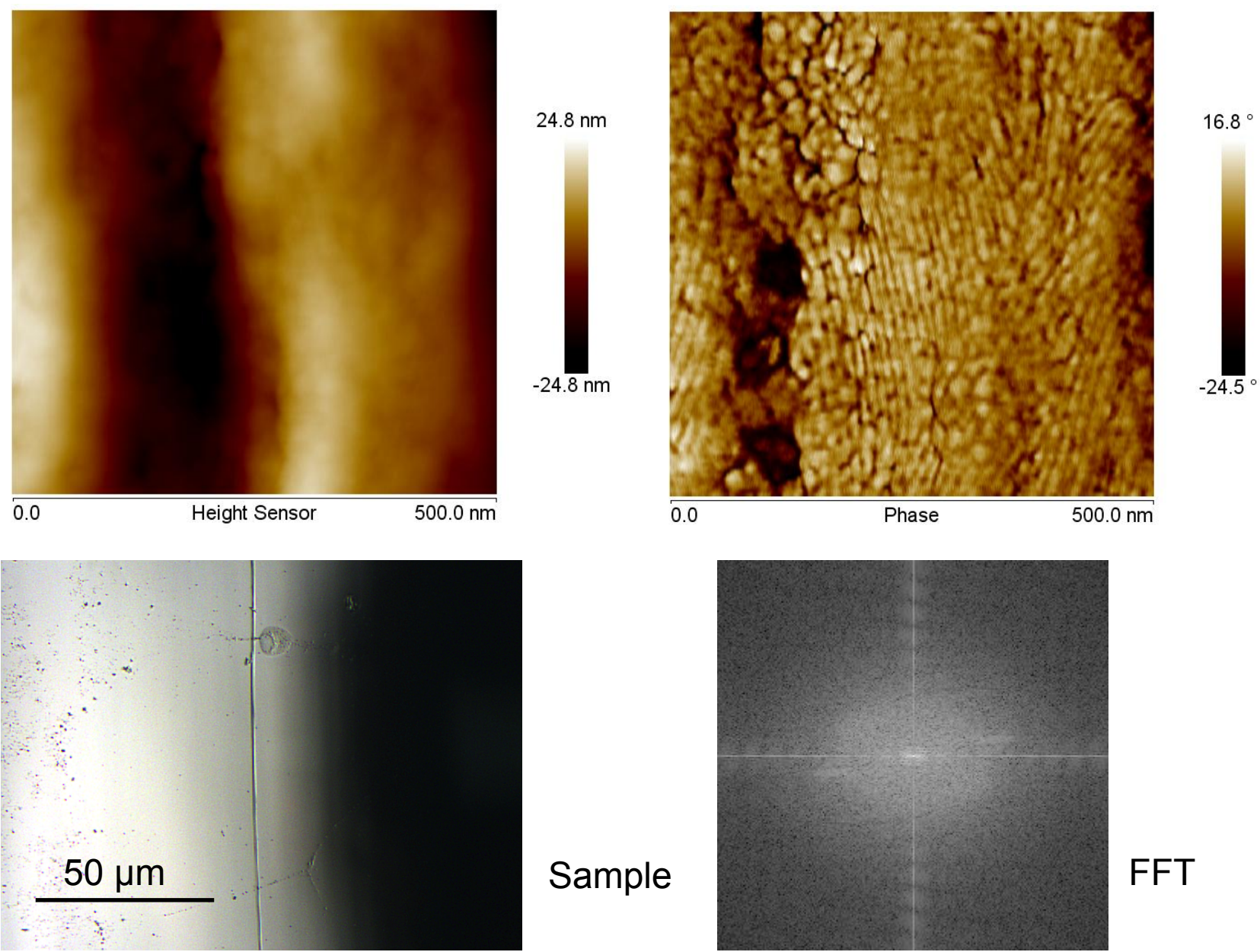


Figure S78 – Individual 6, Unstretched, Fiber 14, Image 70, 2018/03/02

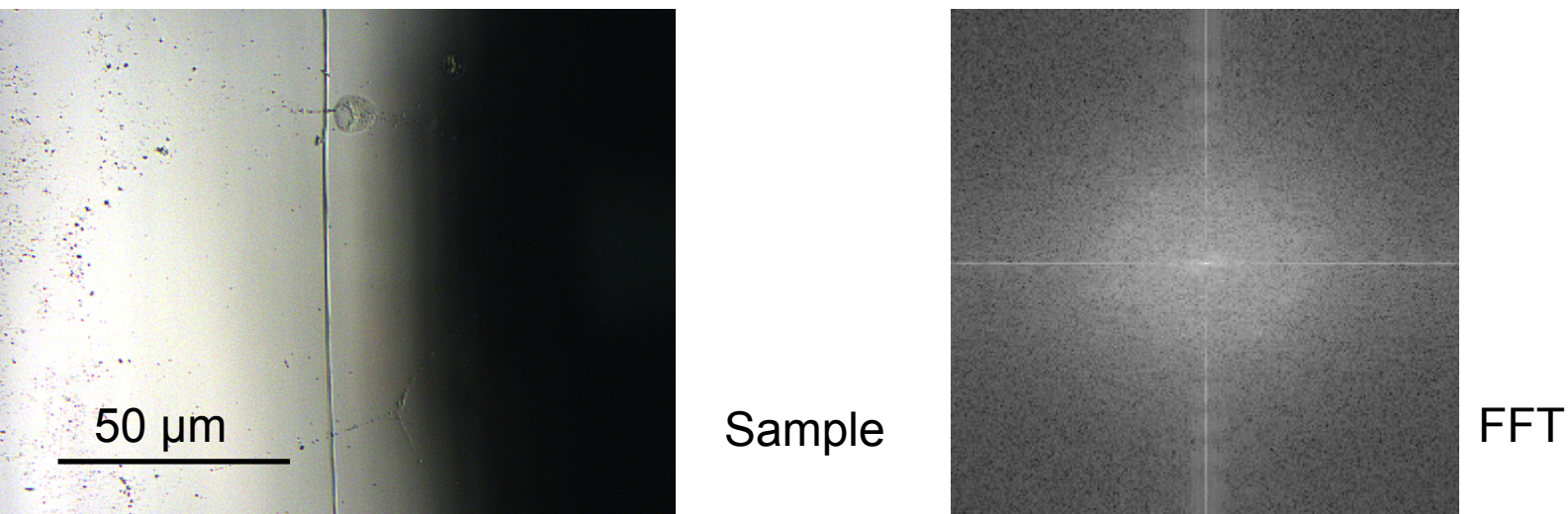
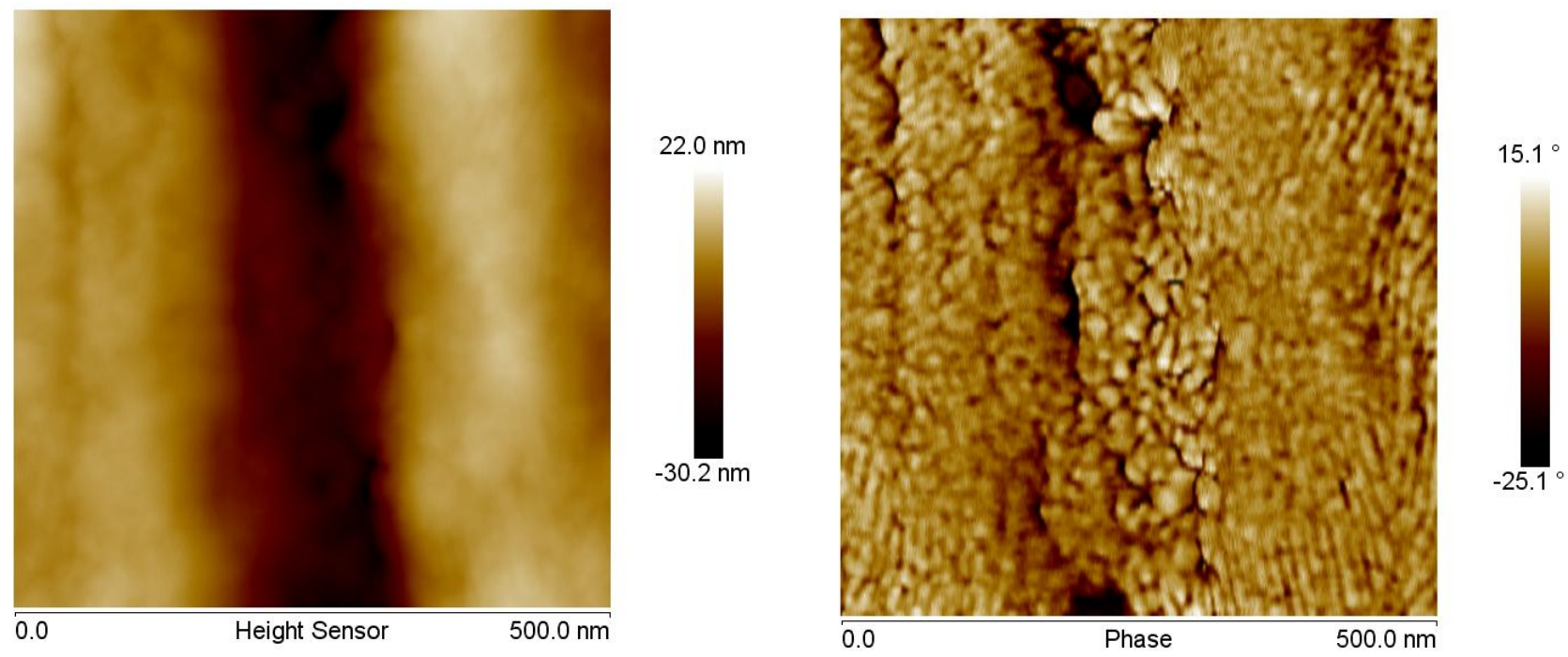
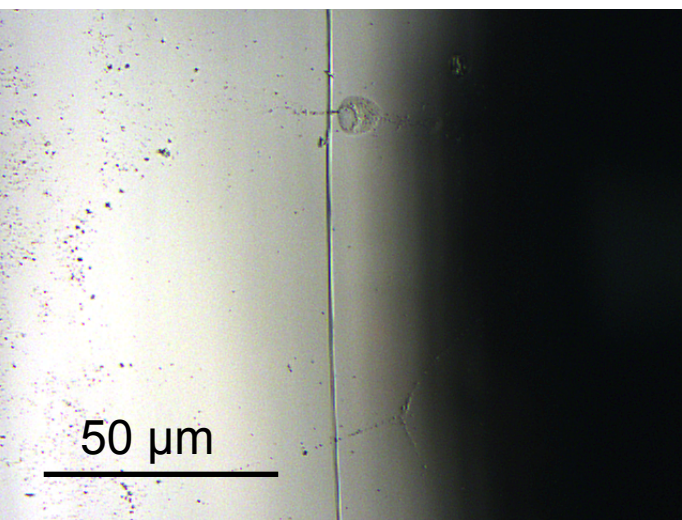
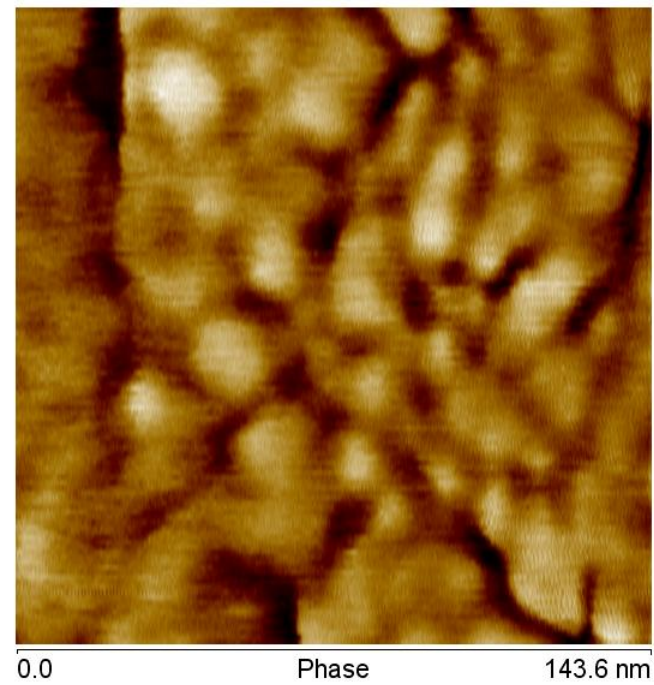
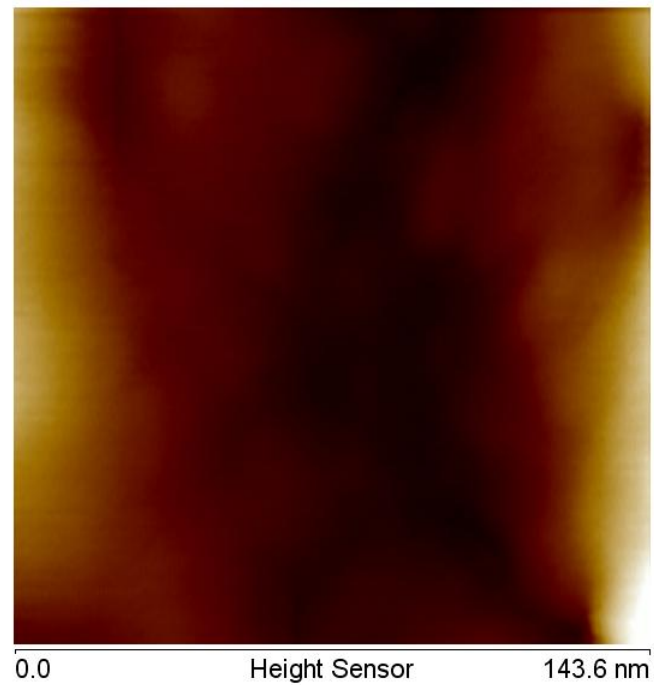
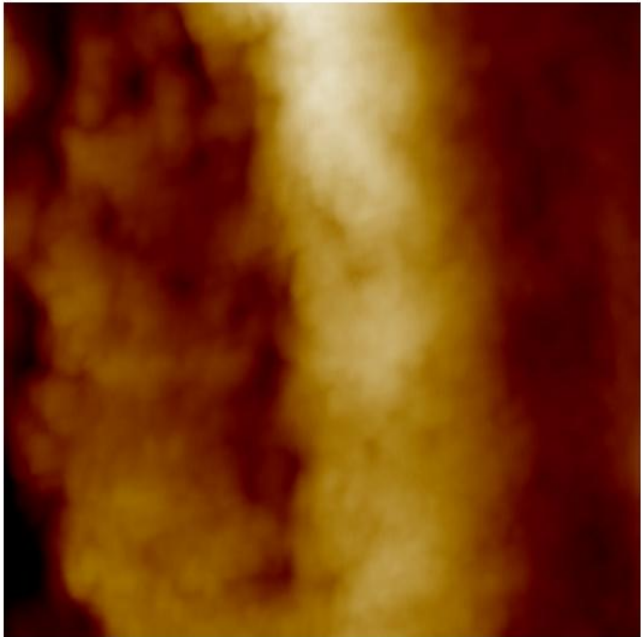


Figure S79 – Individual 6, Unstretched, Fiber 14, Image 71, 2018/03/02

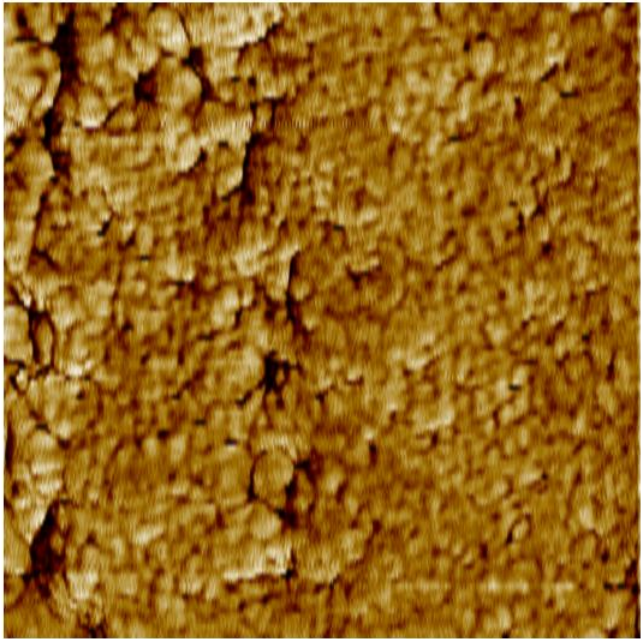


Sample

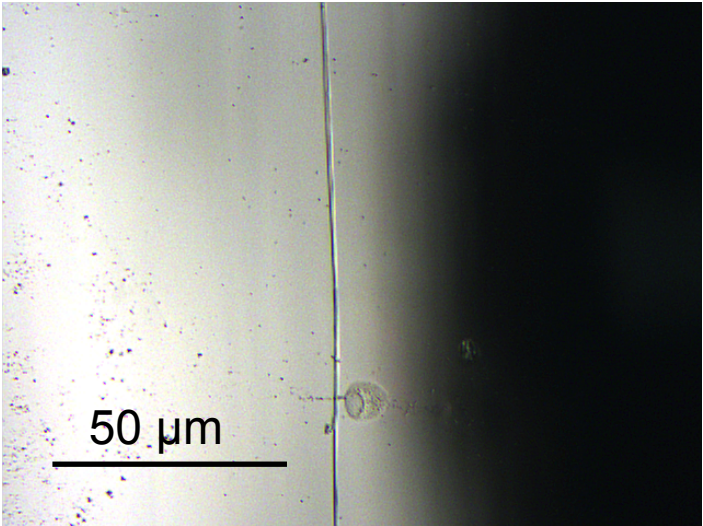
Figure S80 – Individual 6, Unstretched, Fiber 14, Image 72, 2018/03/02



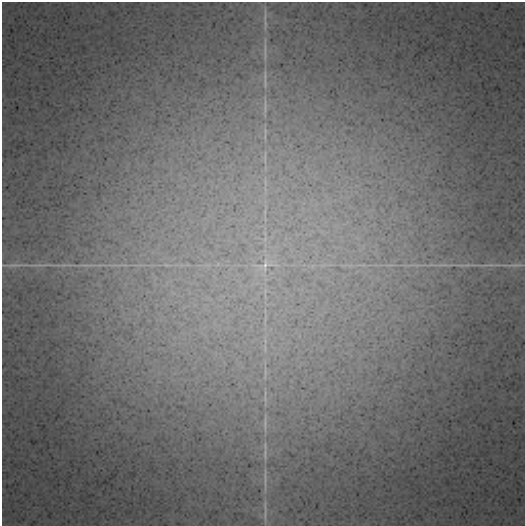
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



FFT

Figure S81 – Individual 6, Unstretched, Fiber 14, Image 73, 2018/03/02

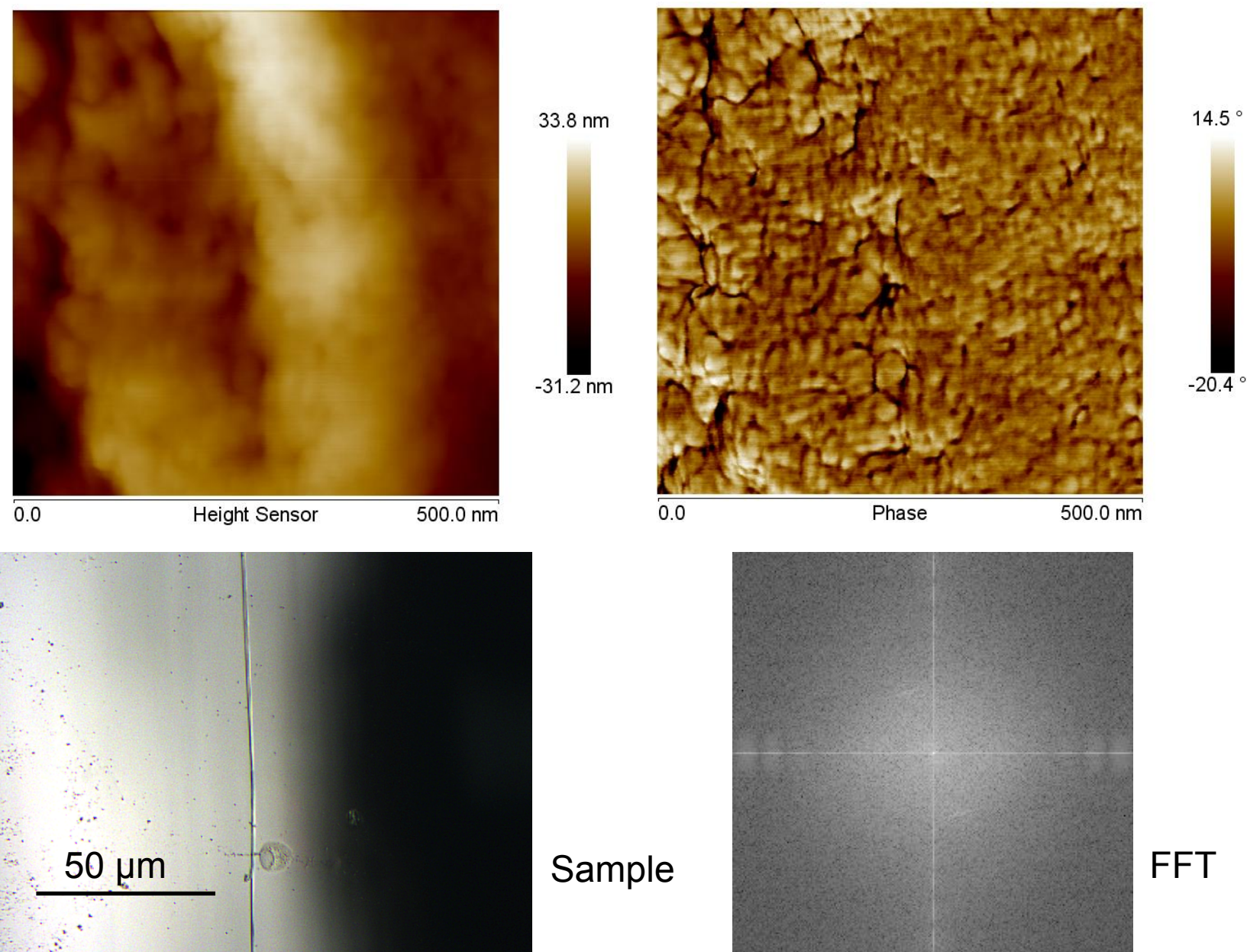


Figure S82 – Individual 6, Unstretched, Fiber 14, Image 74, 2018/03/22

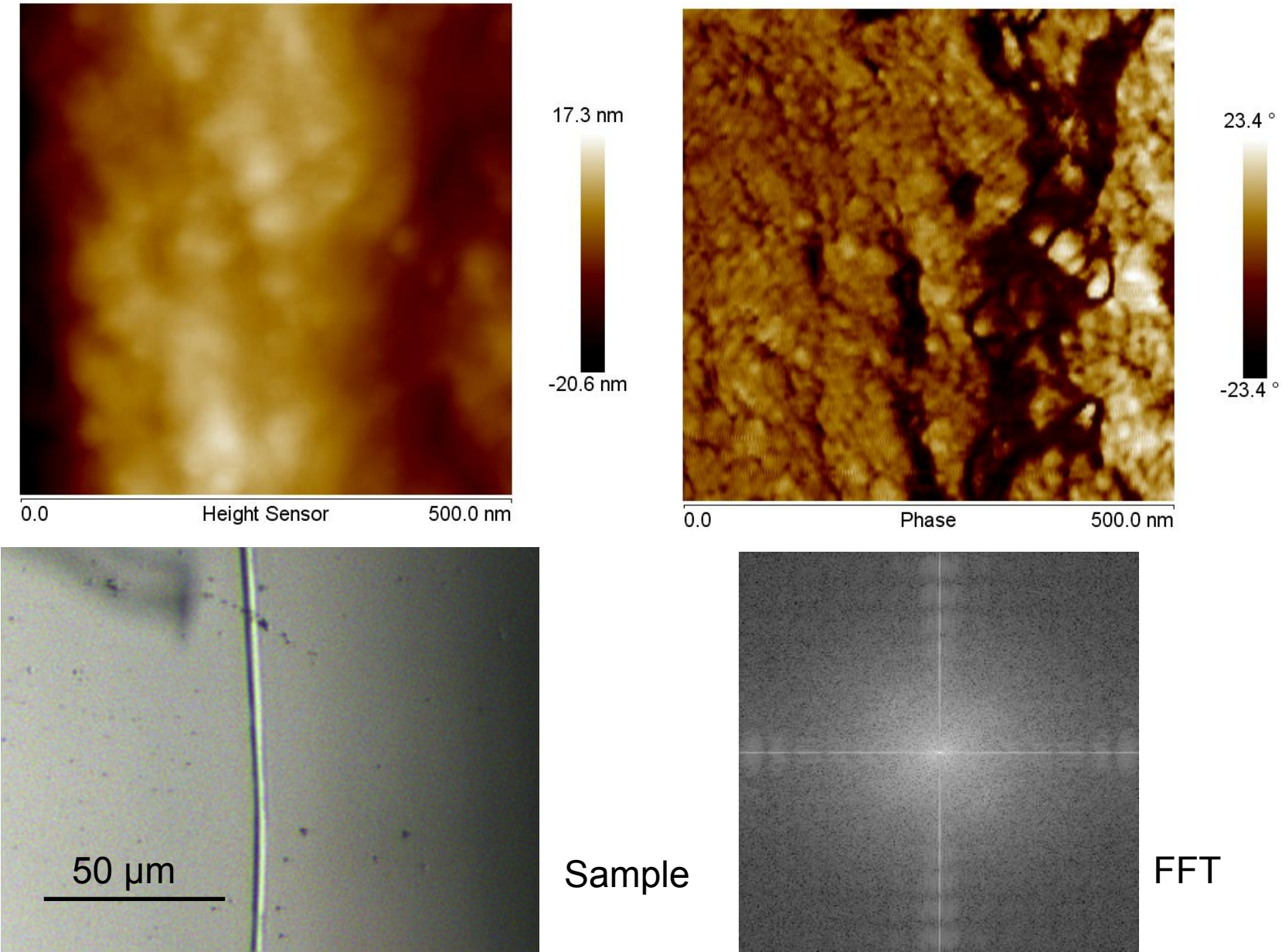


Figure S83 – Individual 7, Unstretched, Fiber 15, Image 75, 2018/03/22

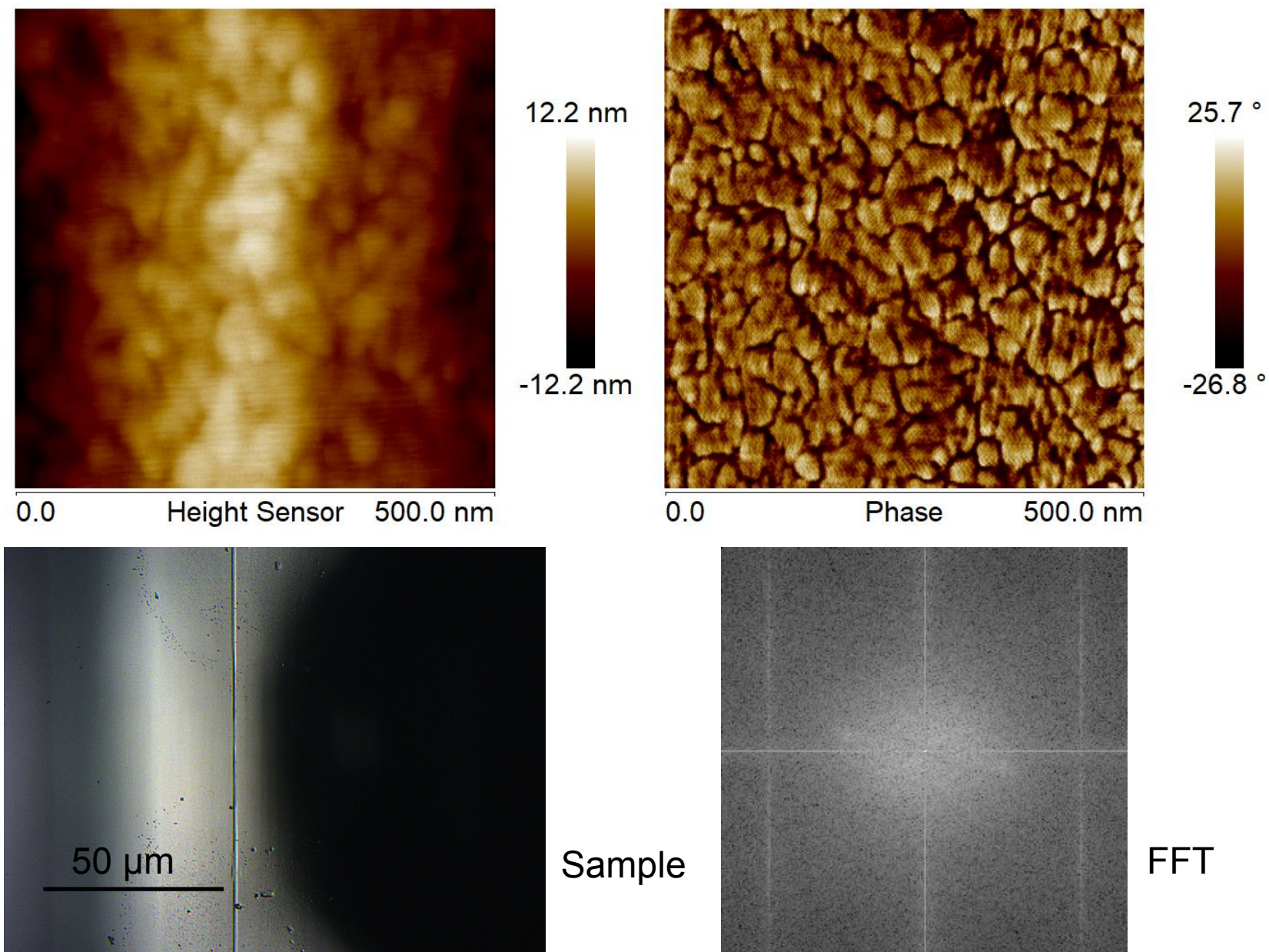


Figure S84 – Individual 7, Unstretched, Fiber 15, Image 76, 2018/03/22

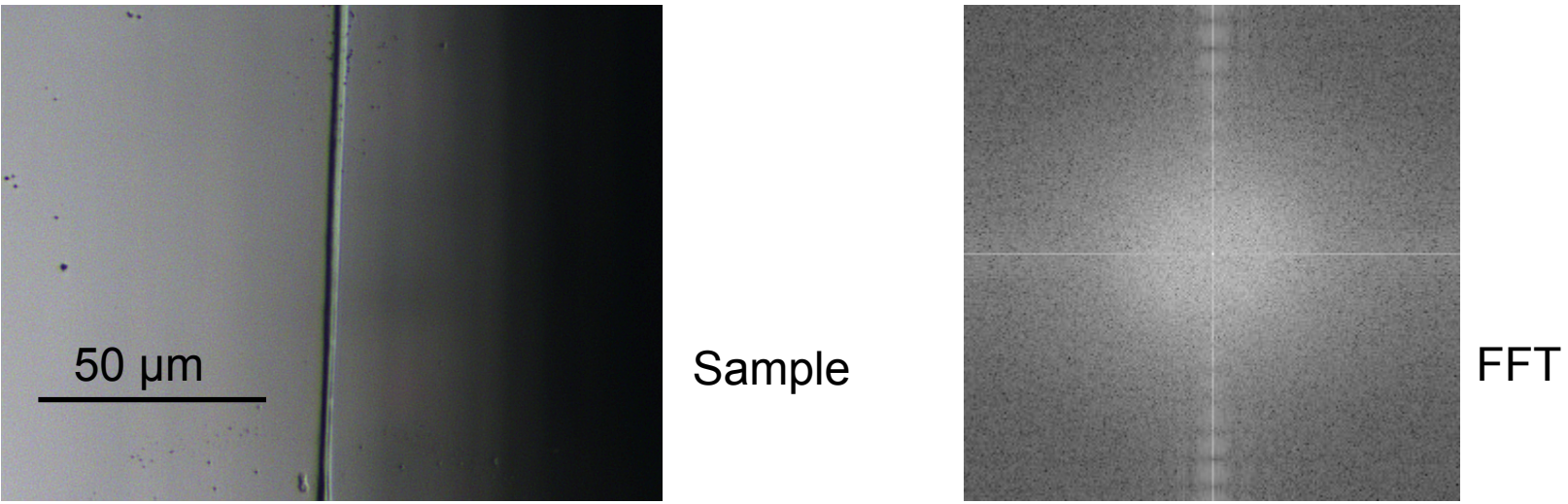
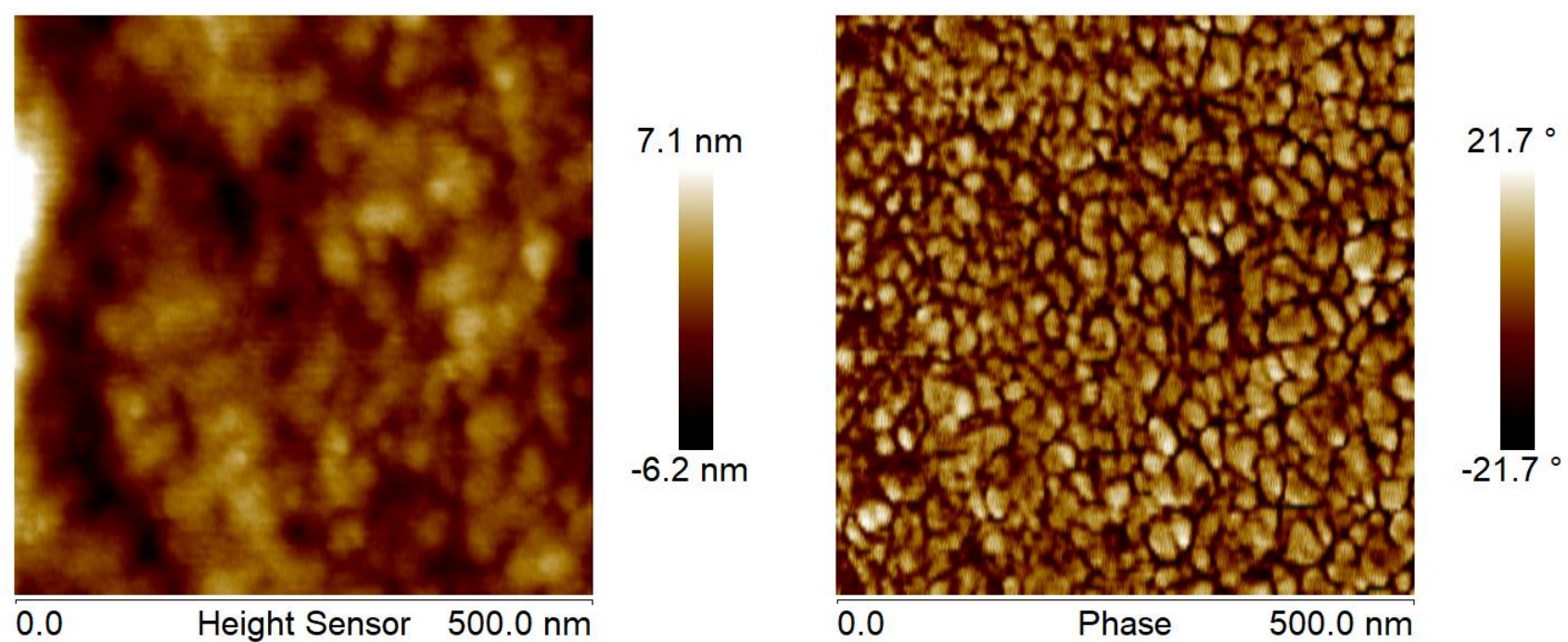


Figure S85 – Individual 7, Unstretched, Fiber 15, Image 77, 2018/03/22

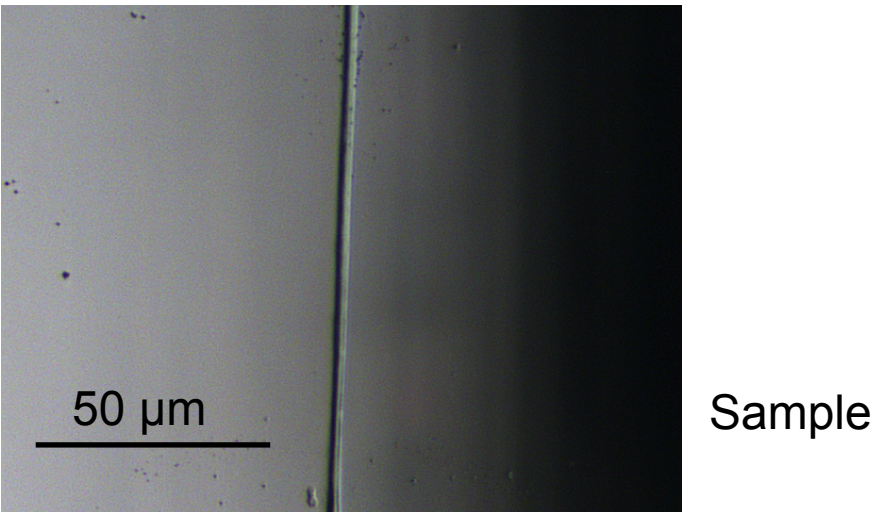
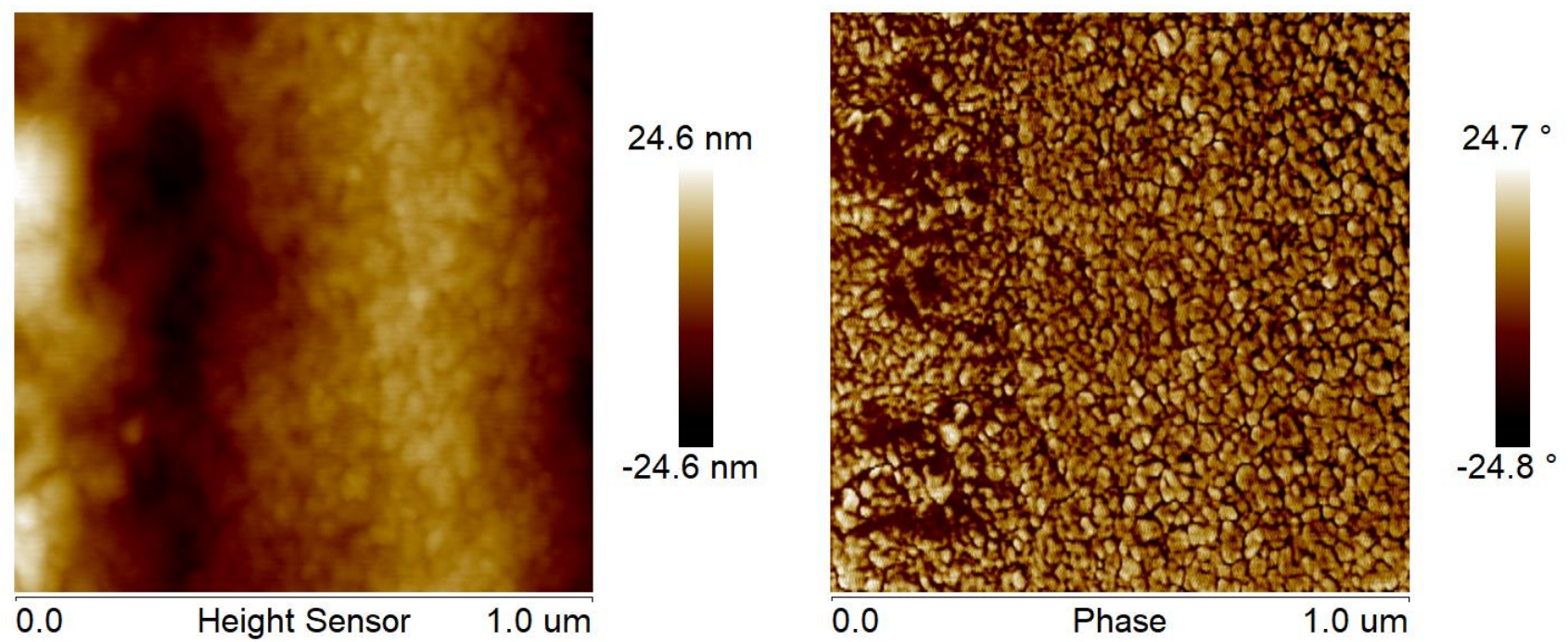
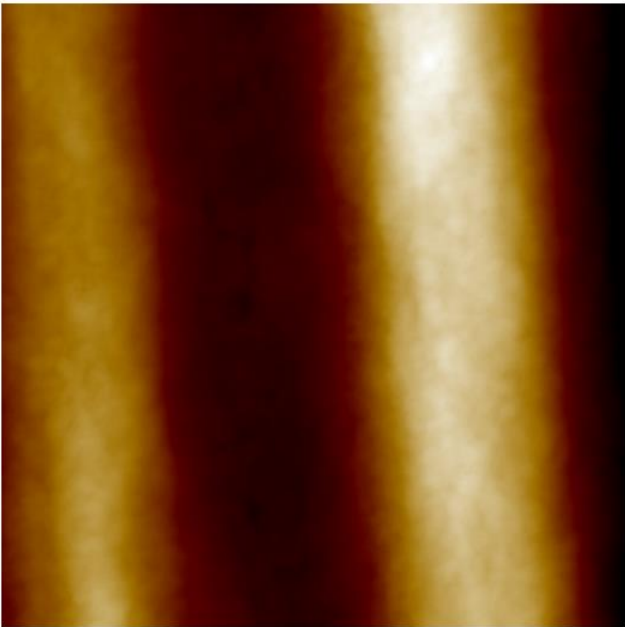
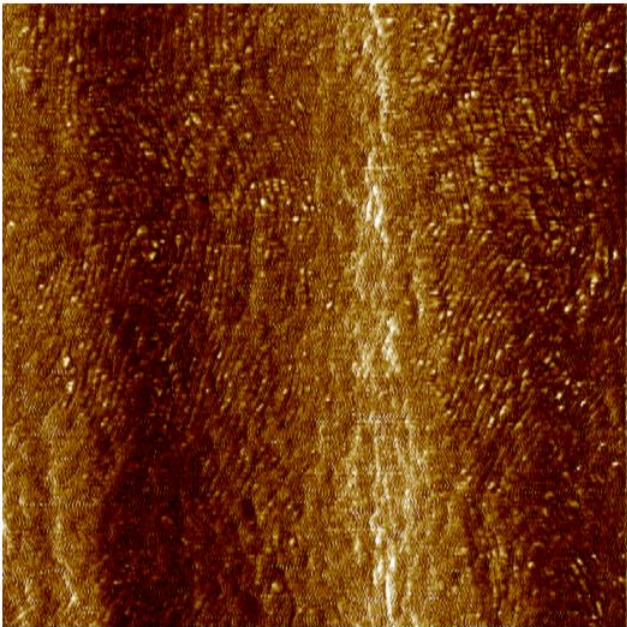


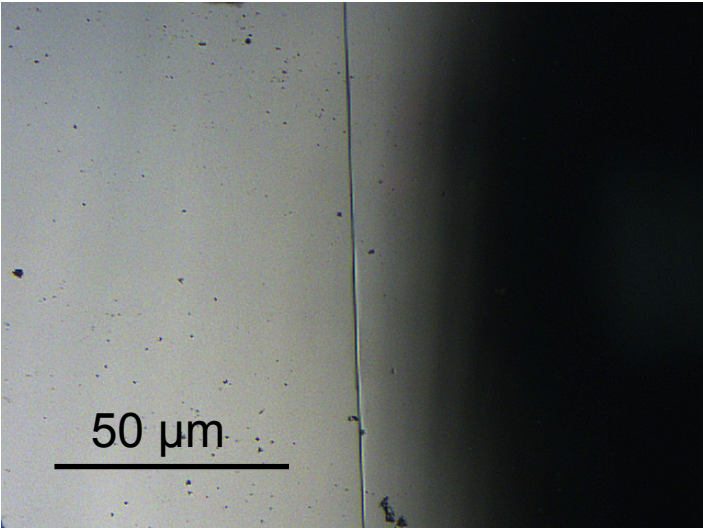
Figure S86 – Individual 8, Stretched, Fiber 16, Image 78, 2018/03/22



0.0 Height Sensor 1.0 μm

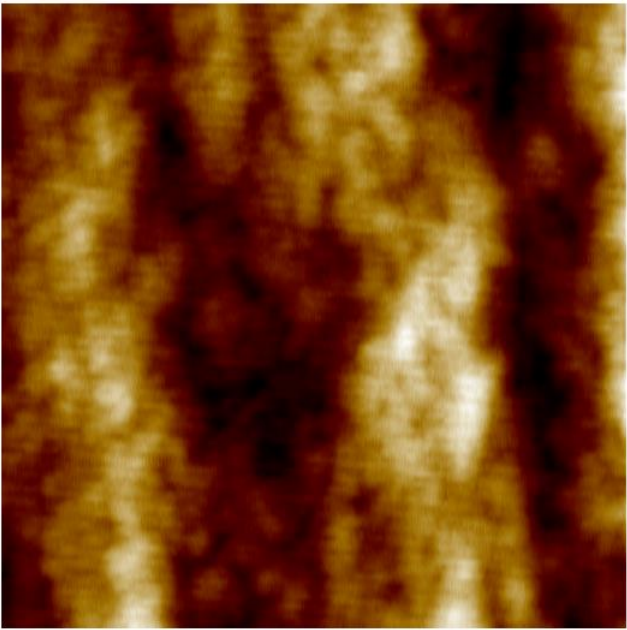


0.0 Phase 1.0 μm

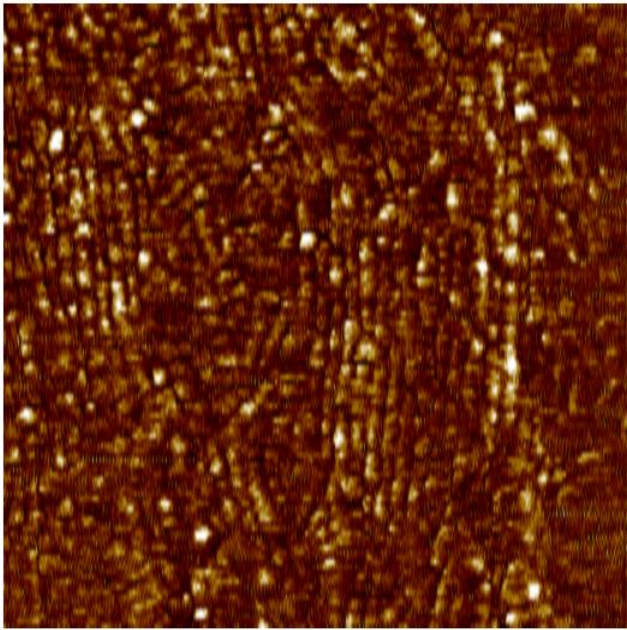


Sample

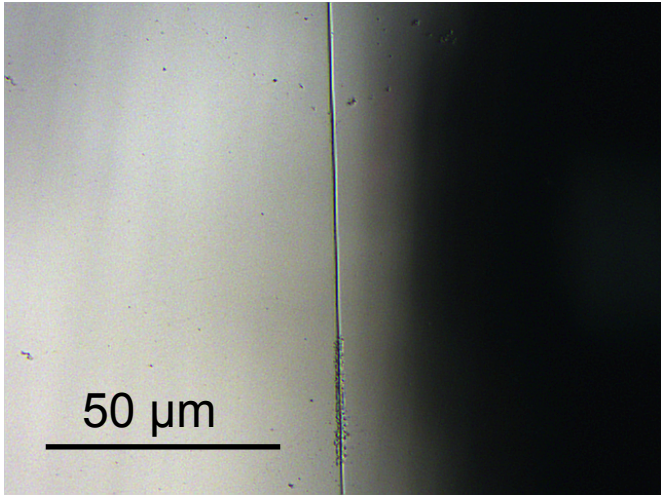
Figure S87 – Individual 9, Stretched, Fiber 16, Image 79, 2018/03/22



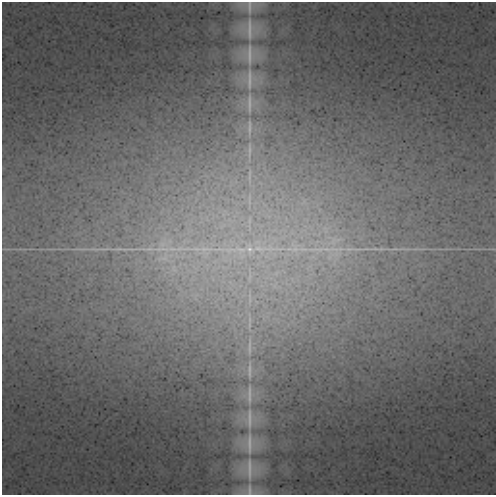
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



FFT

Figure S88 – Individual 9, Stretched, Fiber 16, Image 80, 2018/03/22

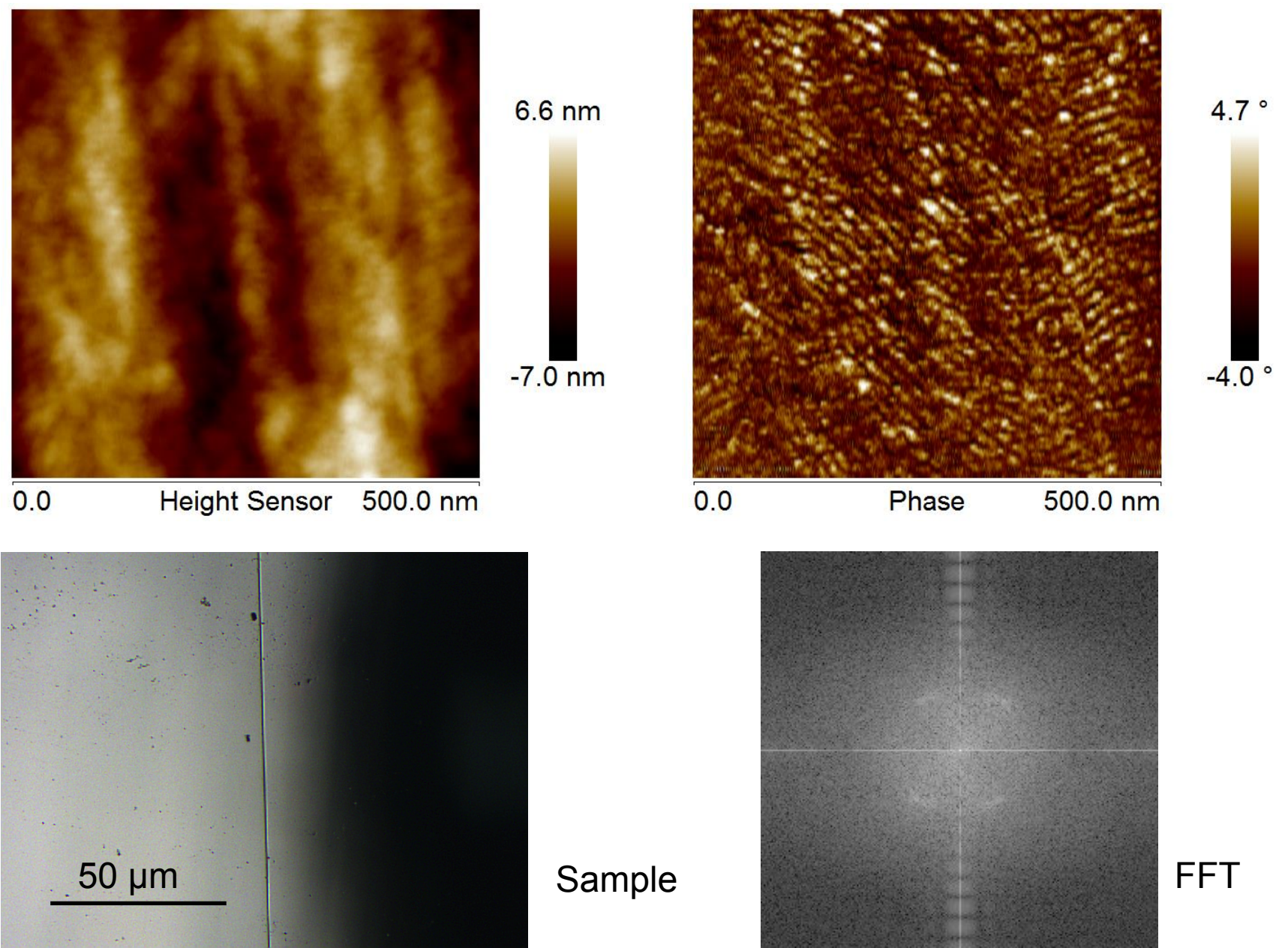
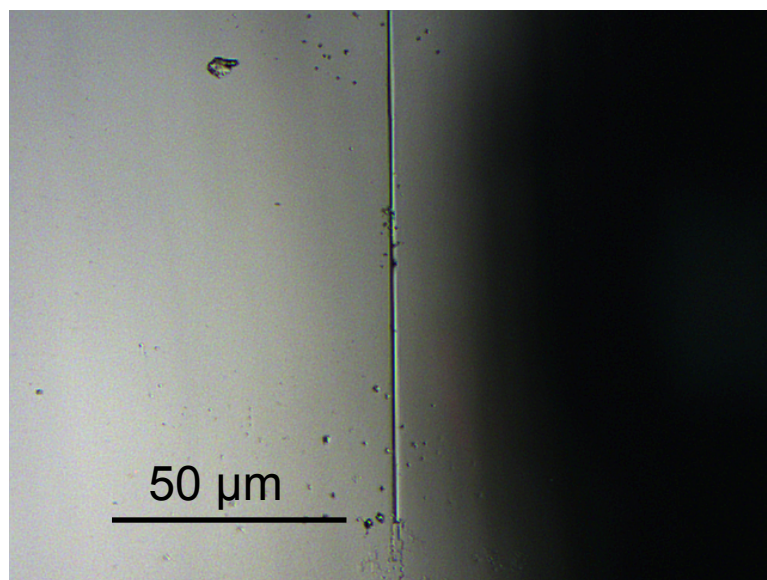
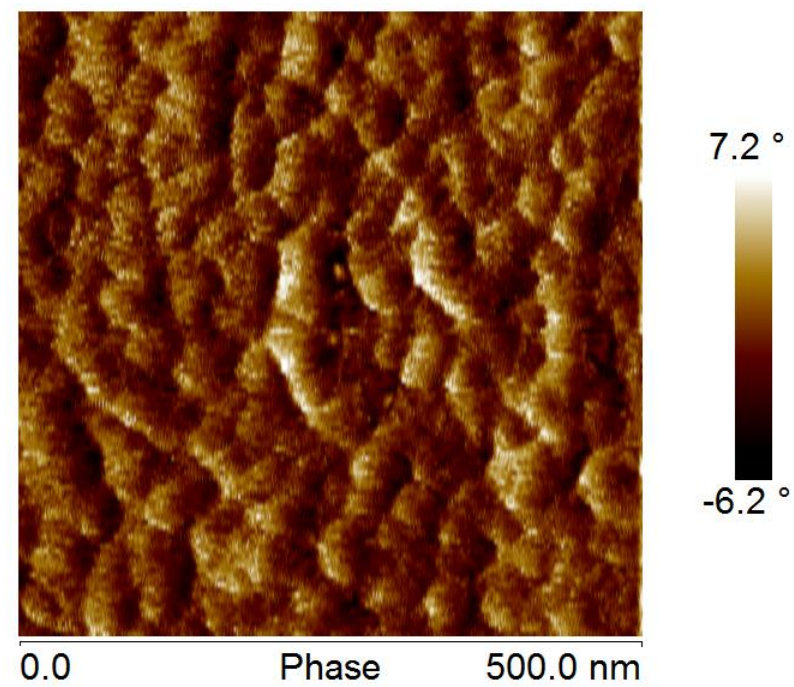
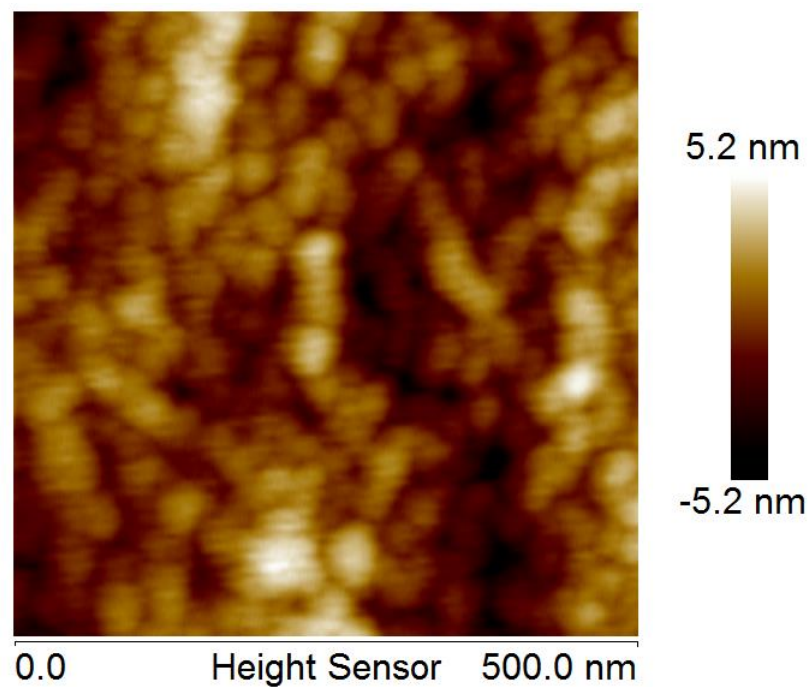
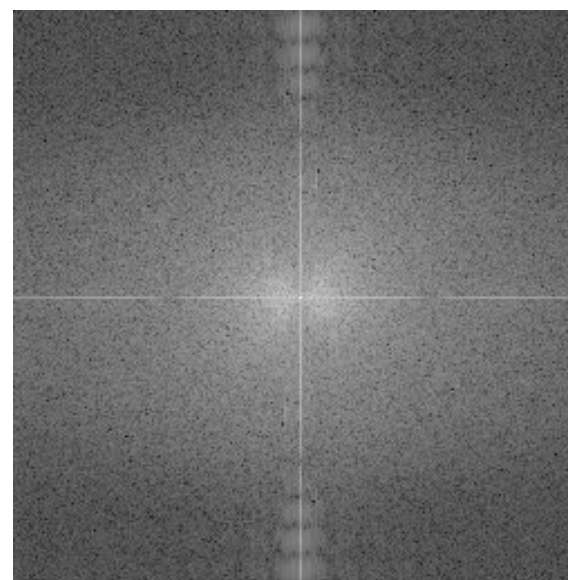


Figure S89 – Individual 9, Stretched, Fiber 16, Image 81, 2018/03/22



Sample



FFT

Figure S90 – Individual 9, Stretched, Fiber 16, Image 82, 2018/03/22

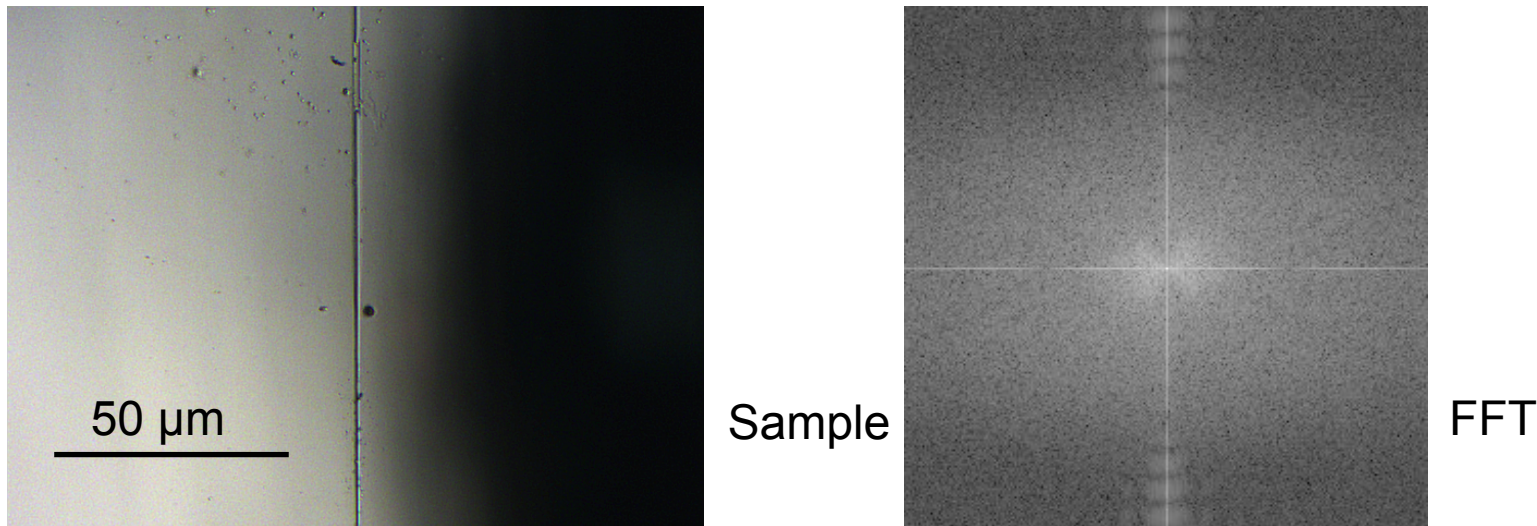
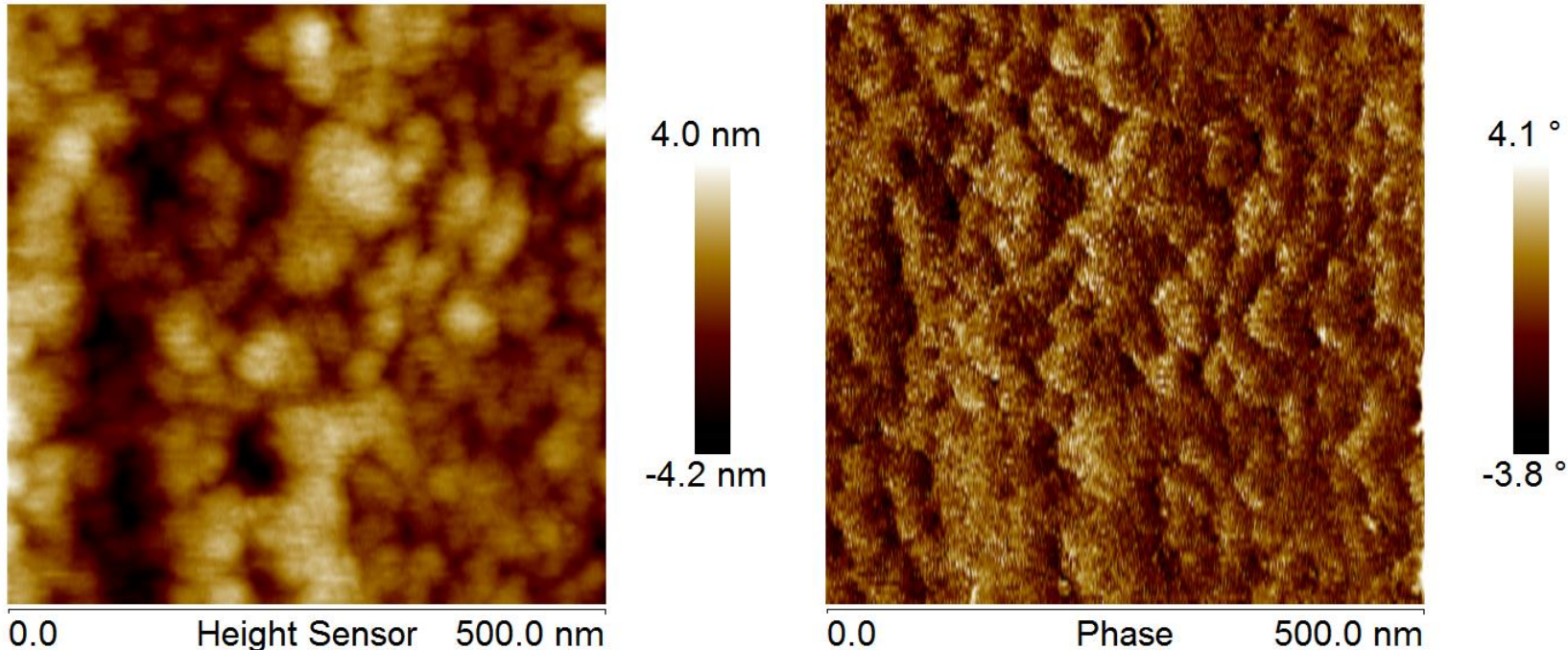
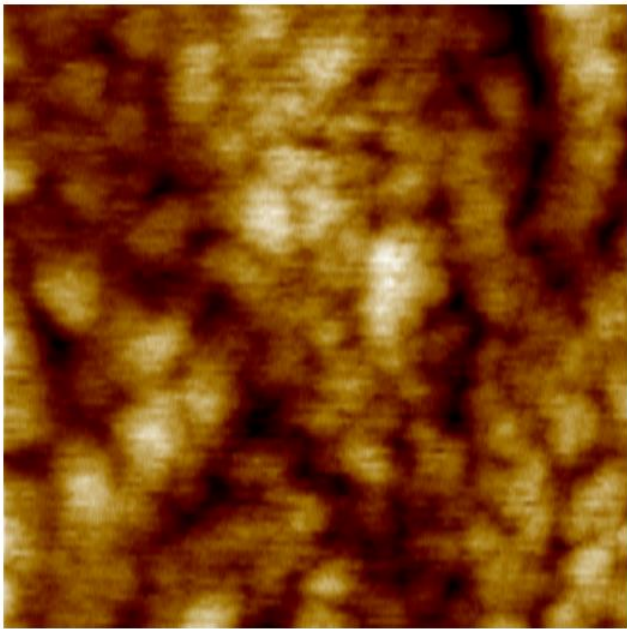
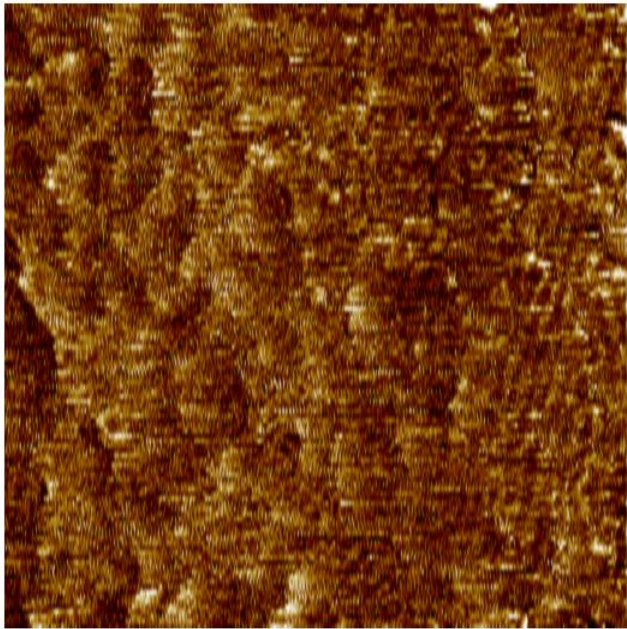


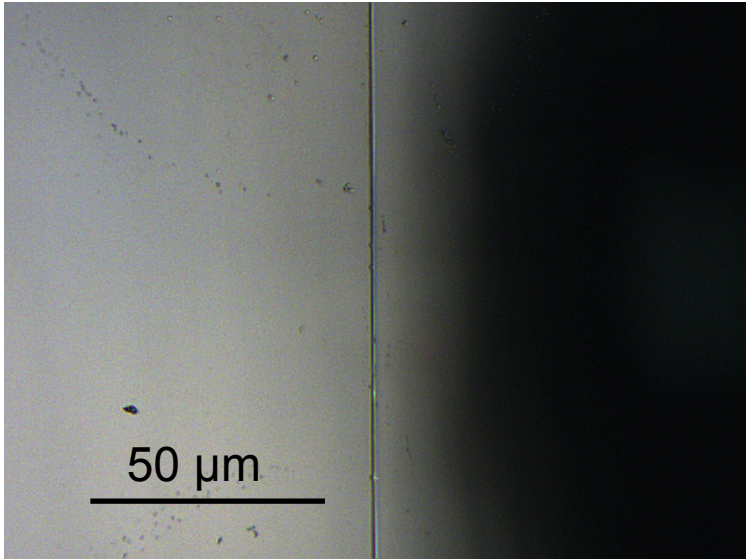
Figure S91 – Individual 9, Stretched, Fiber 16, Image 83, 2018/03/22



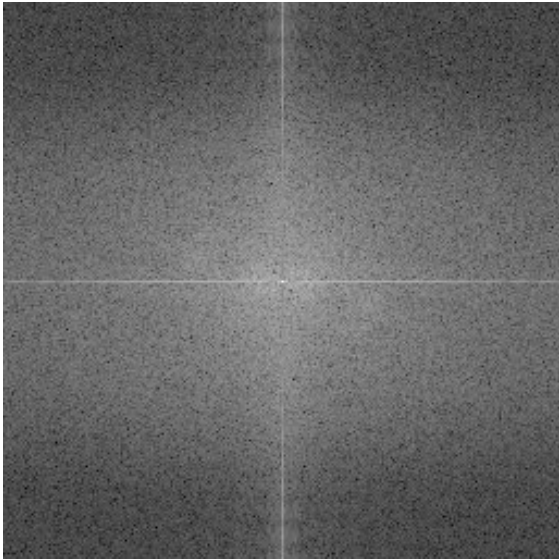
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm

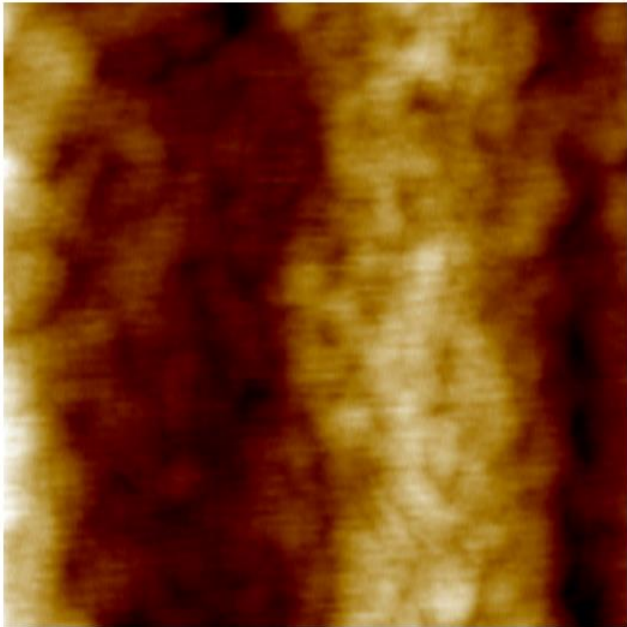


Sample

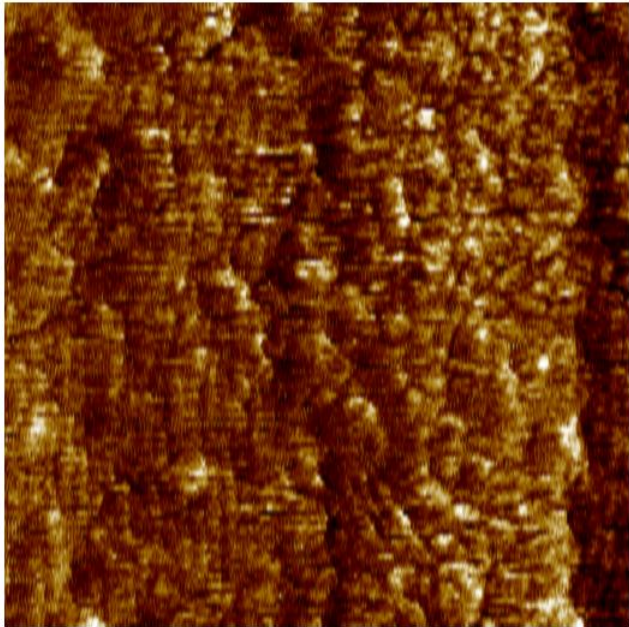


FFT

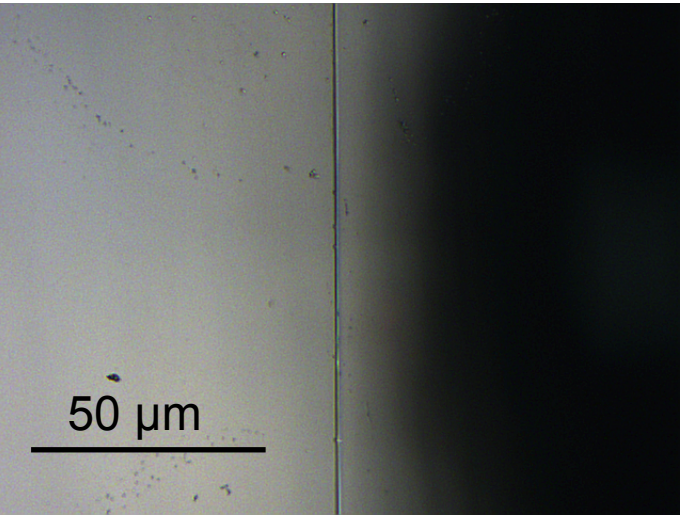
Figure S92 – Individual 9, Stretched, Fiber 16, Image 84, 2018/03/22



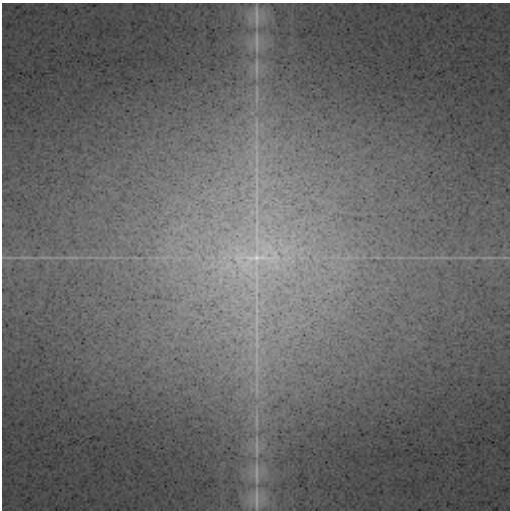
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



FFT

Figure S93 – Individual 10, Stretched, Fiber 17, Image 85, 2018/03/22

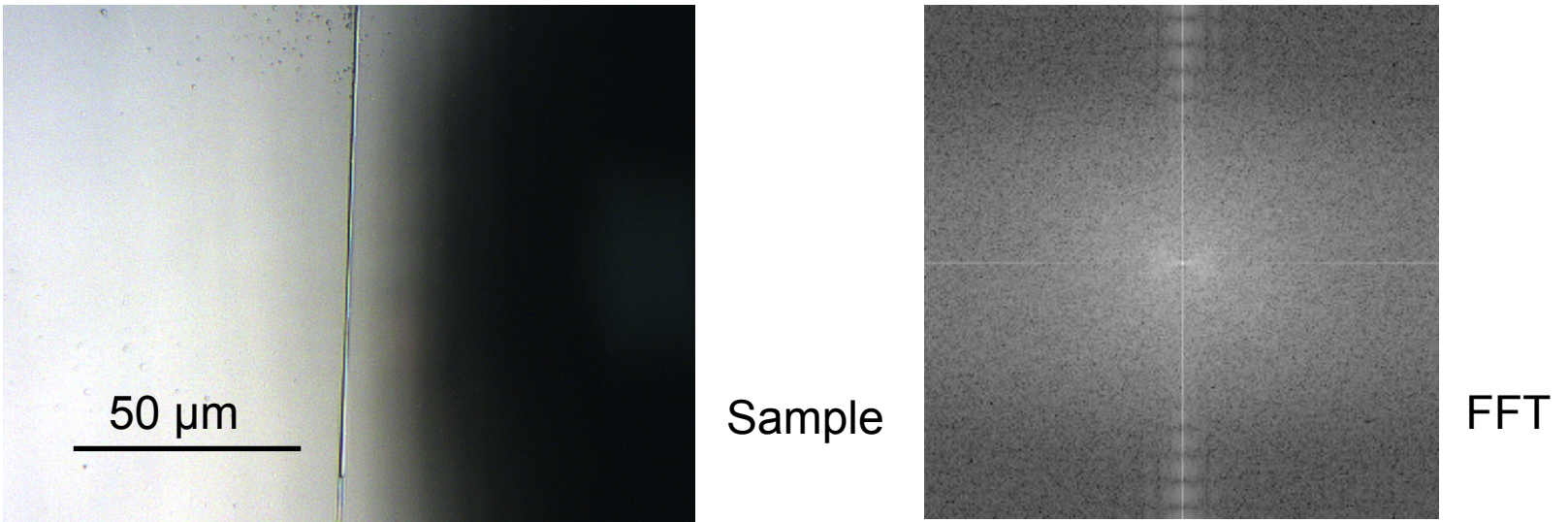
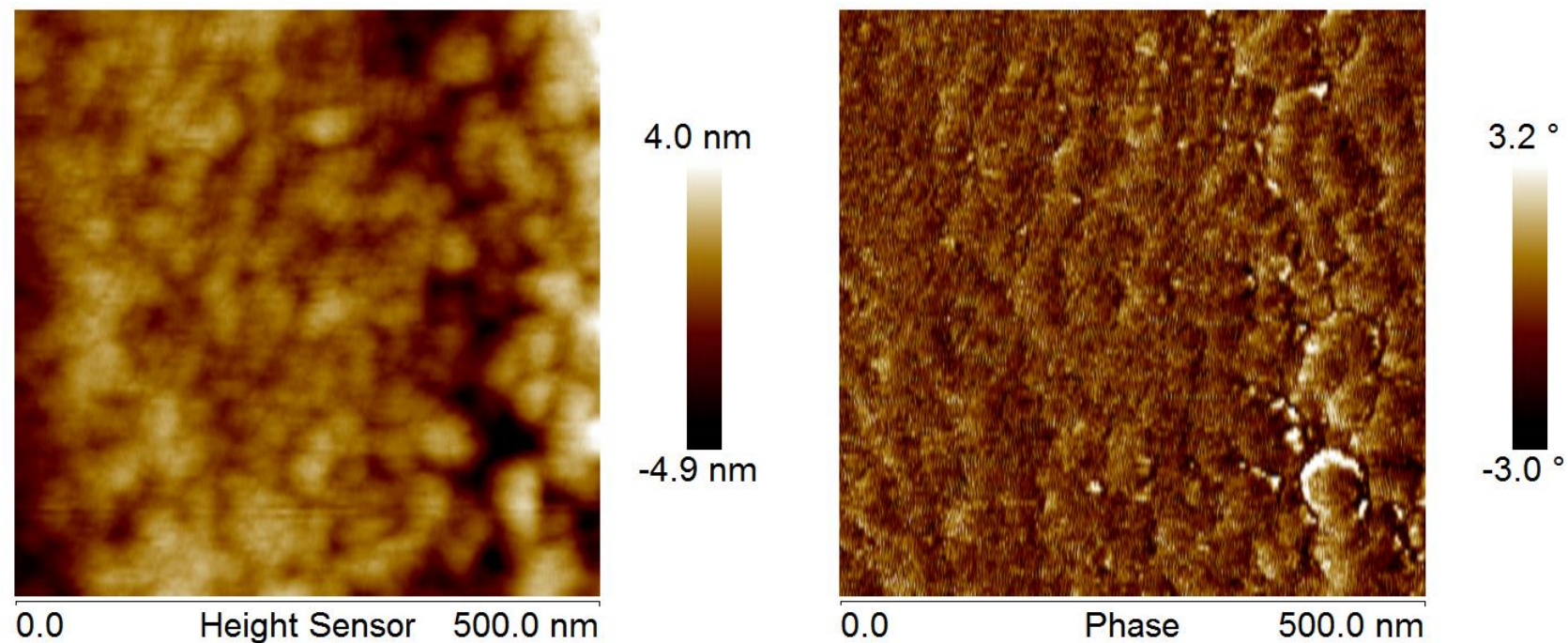


Figure S94 – Individual 10, Stretched, Fiber 17, Image 86, 2018/03/22

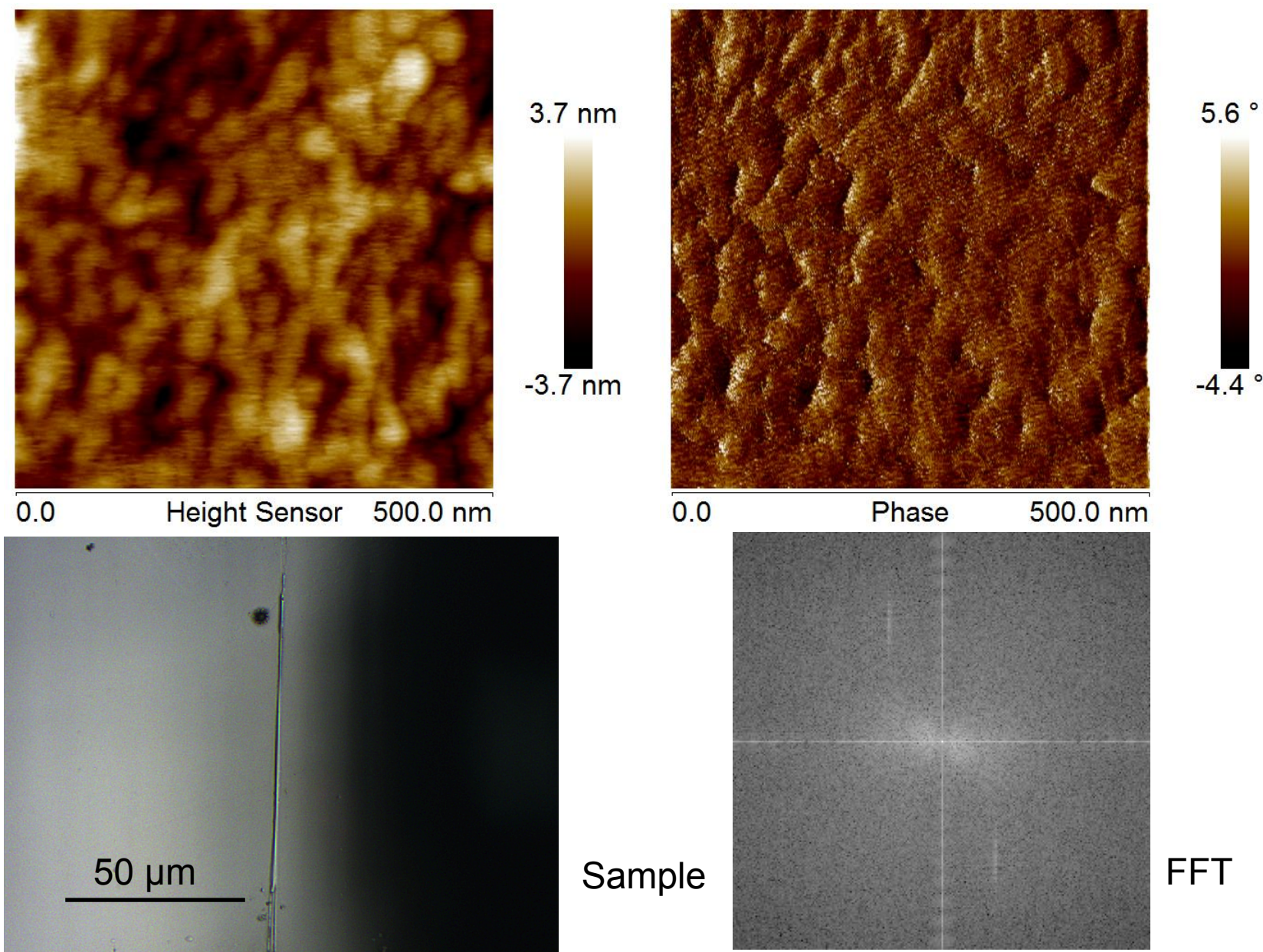
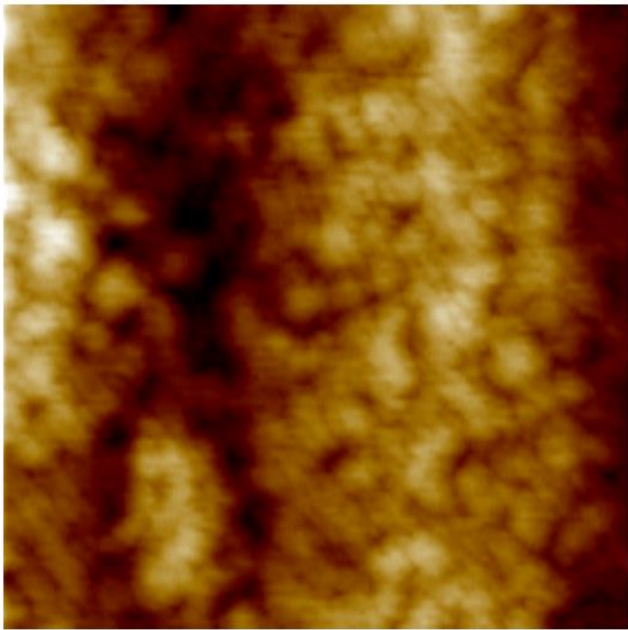
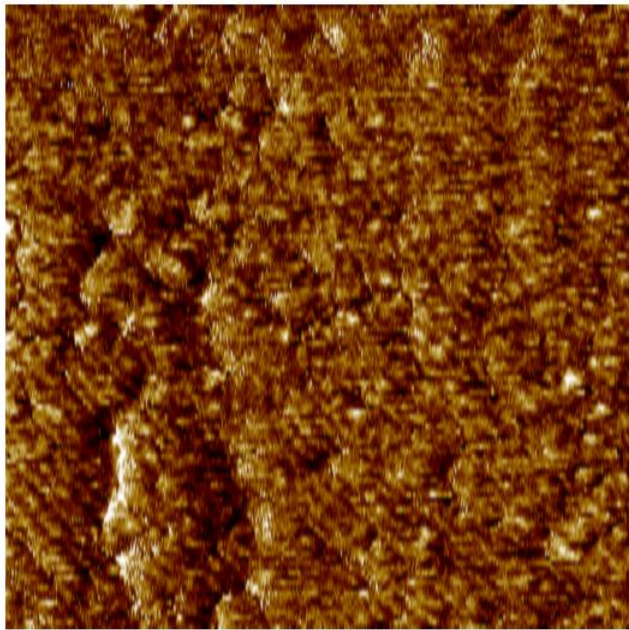


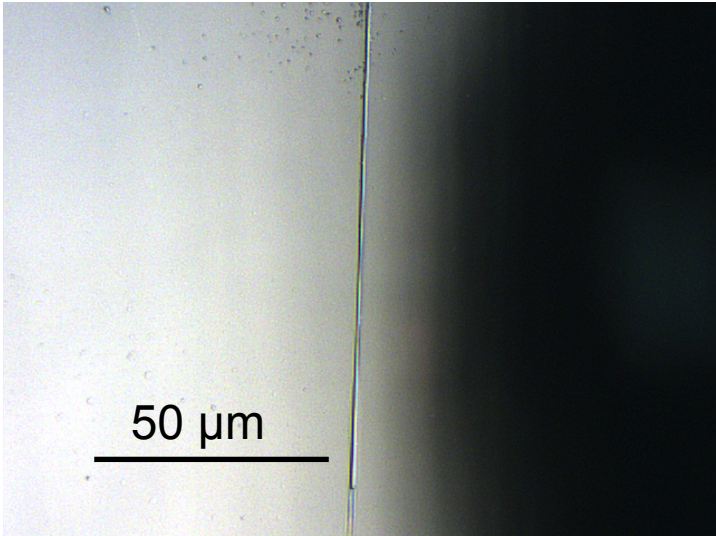
Figure S95 – Individual 10, Stretched, Fiber 17, Image 87, 2018/03/22



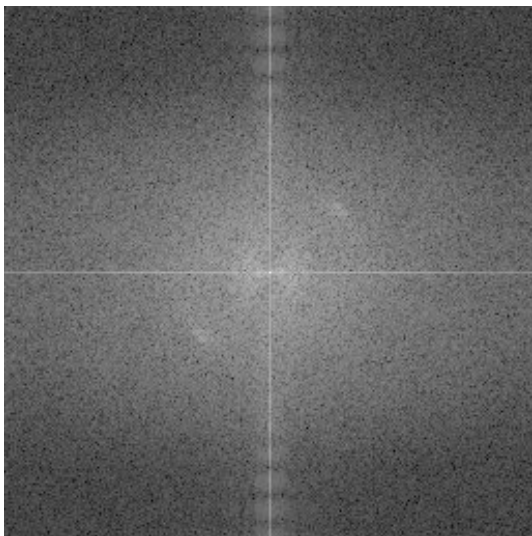
0.0 Height Sensor 500.0 nm



0.0 Phase 500.0 nm



Sample



FFT

Figure S96 – Individual 10, Unstretched, Fiber 18, Image 88, 2018/03/22

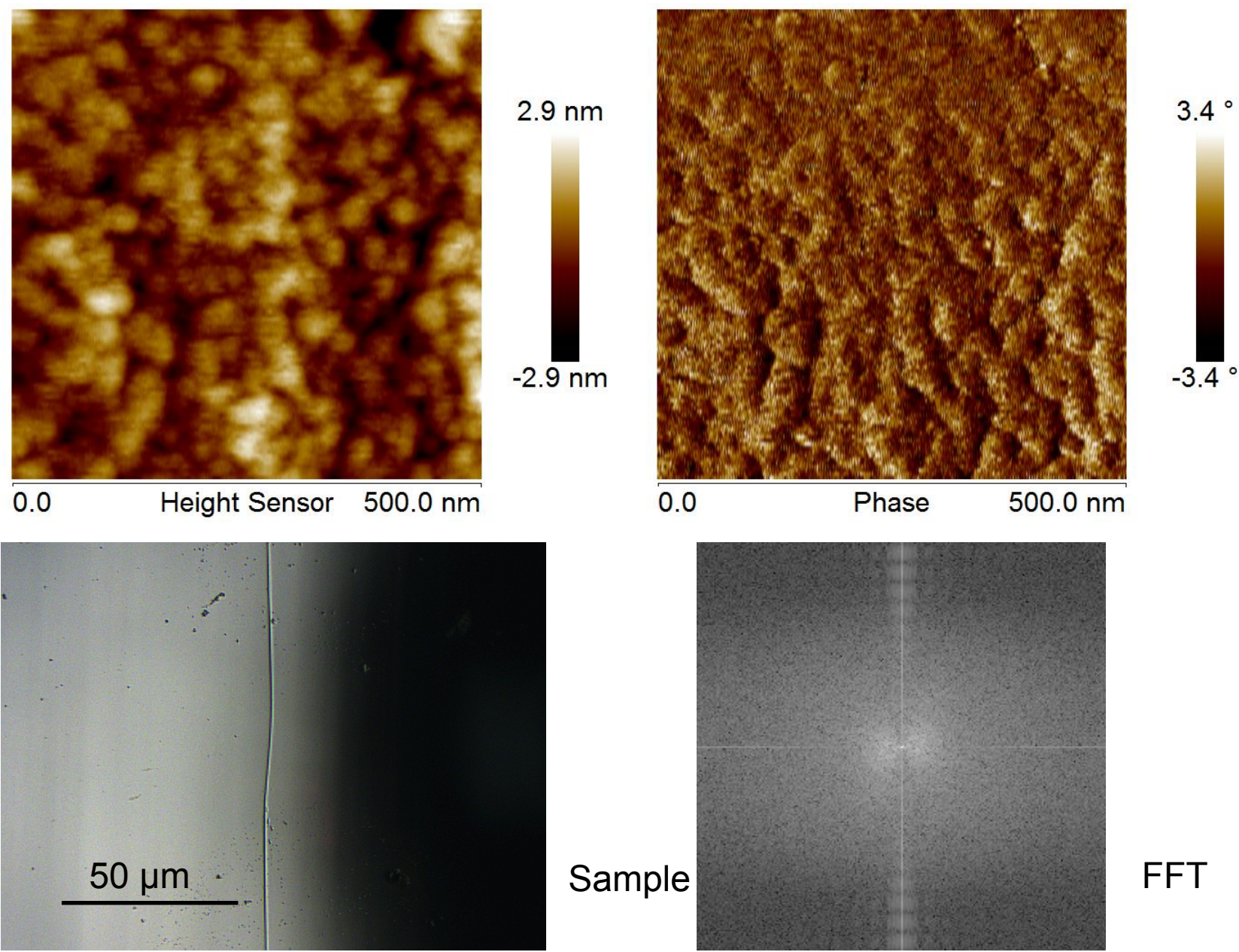
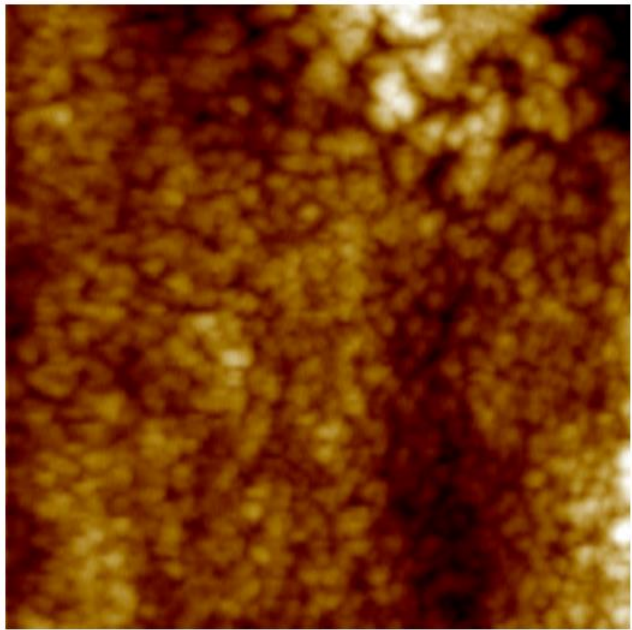
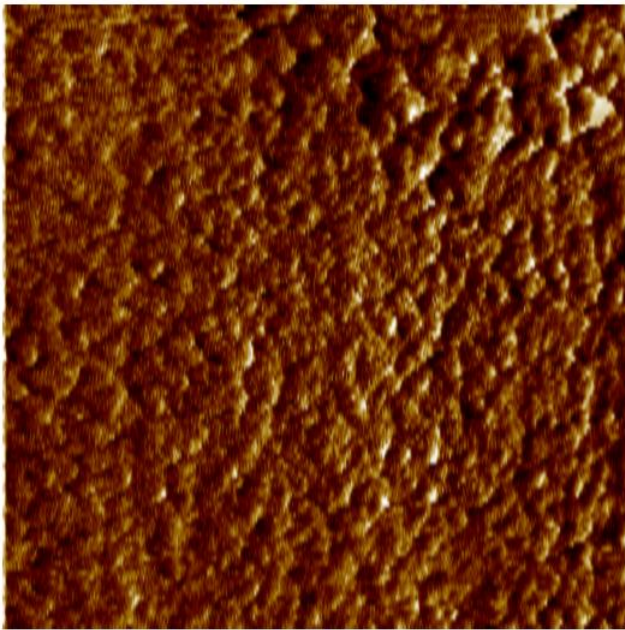


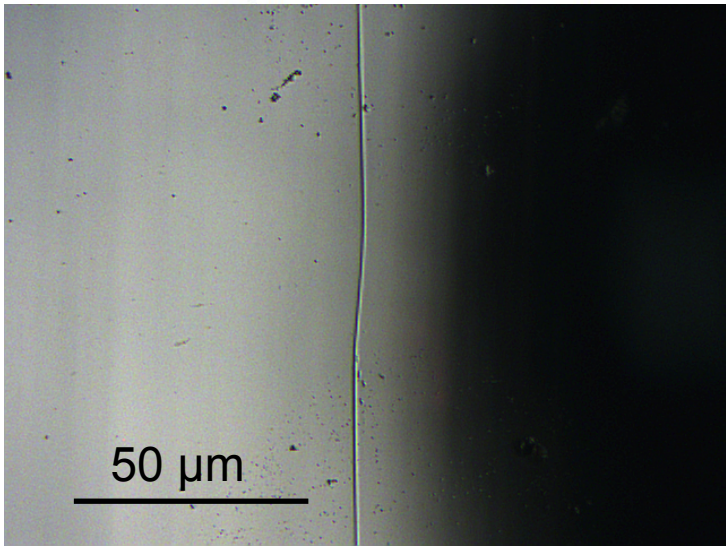
Figure S97 – Individual 9, Unstretched, Fiber 19, Image 89, 2018/03/22



0.0 Height Sensor 1.0 μm



0.0 Phase 1.0 μm



Sample

Figure S98 – Individual 9, Unstretched, Fiber 18, Image 90, 2018/03/22

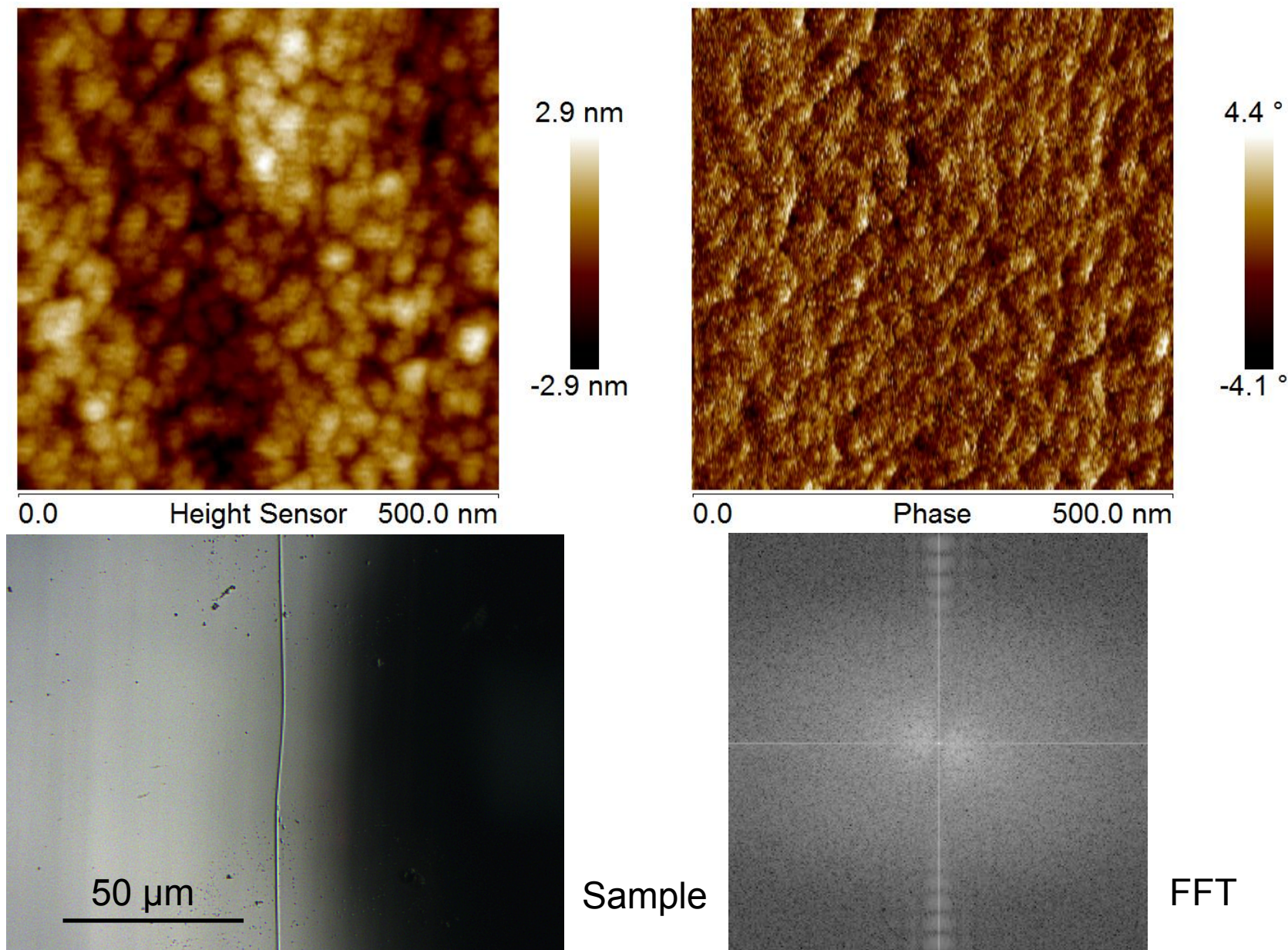


Figure S99 – Individual 10, Unstretched, Fiber 19, Image 91, 2018/03/22

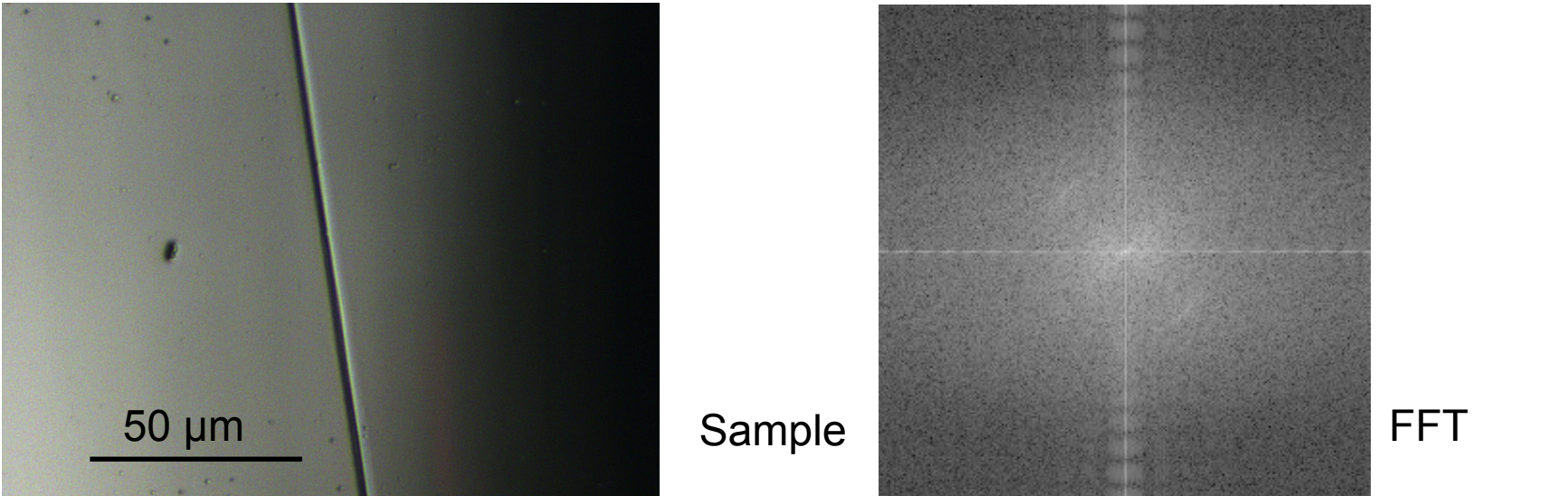
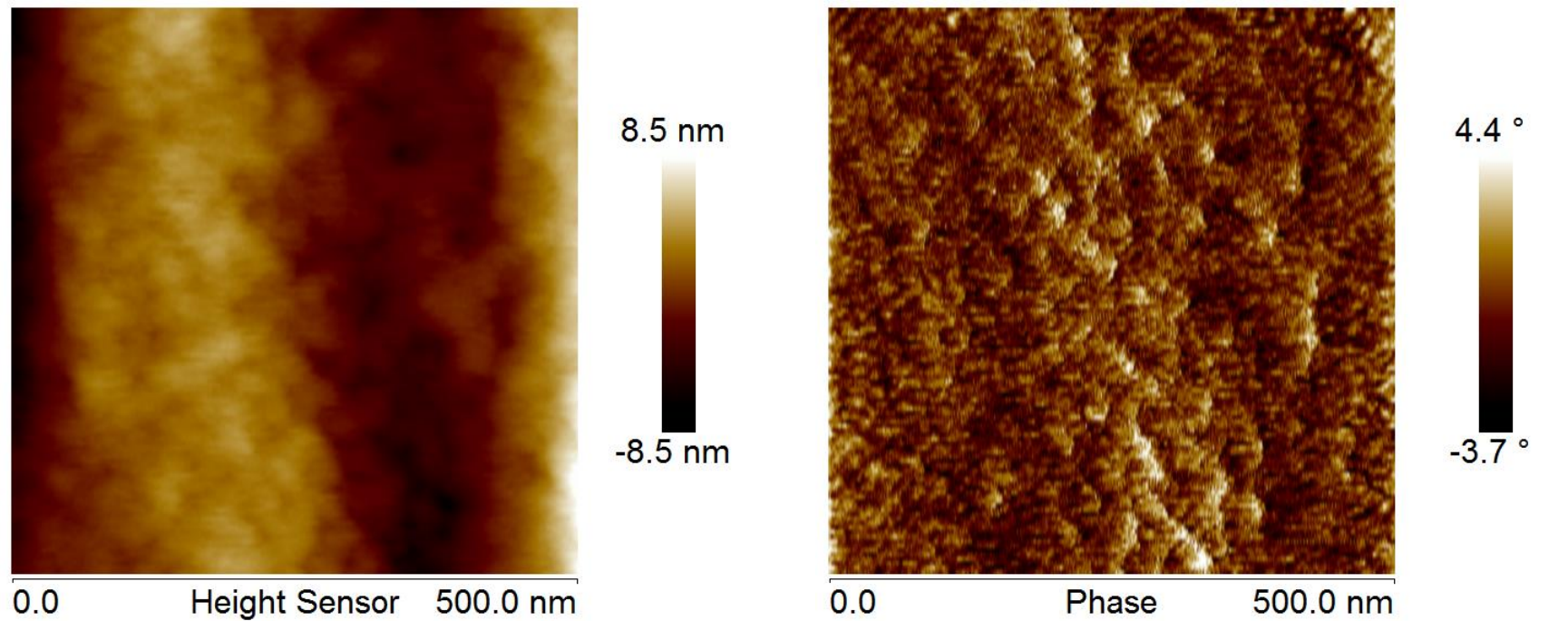


Figure S100 – Individual 10, Unstretched, Fiber 19, Image 92, 2018/03/22

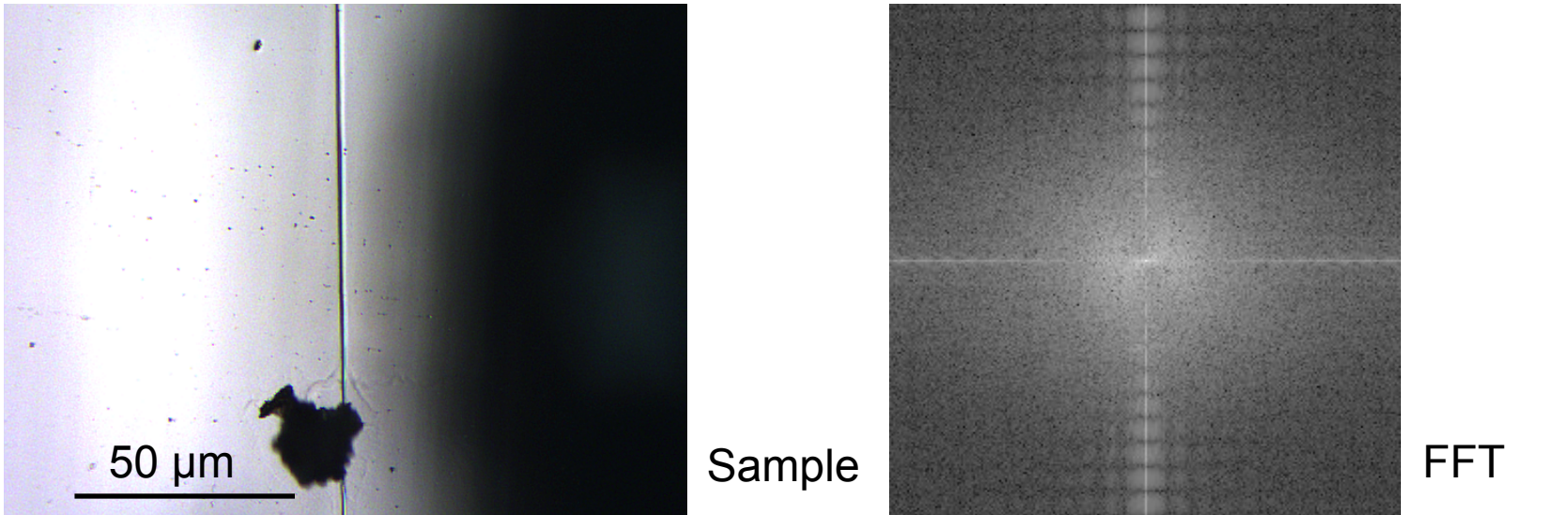
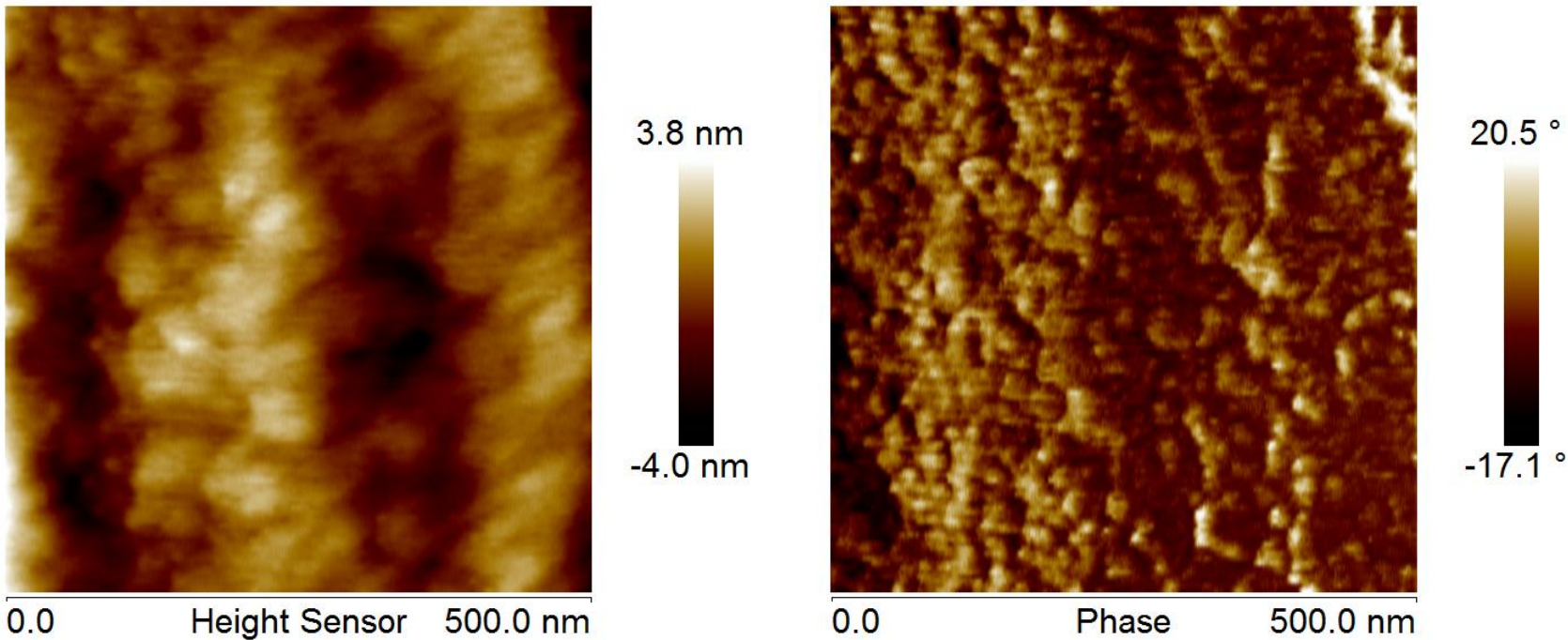


Figure S101 – Individual 10, Unstretched, Fiber 19, Image 93, 2018/03/22

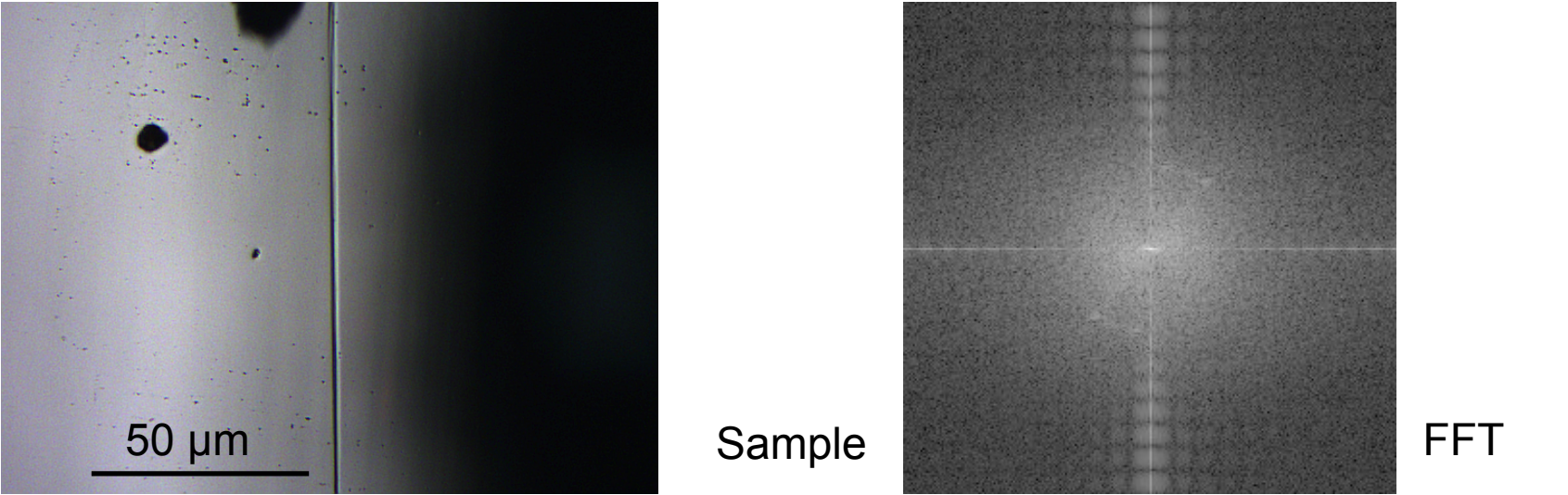
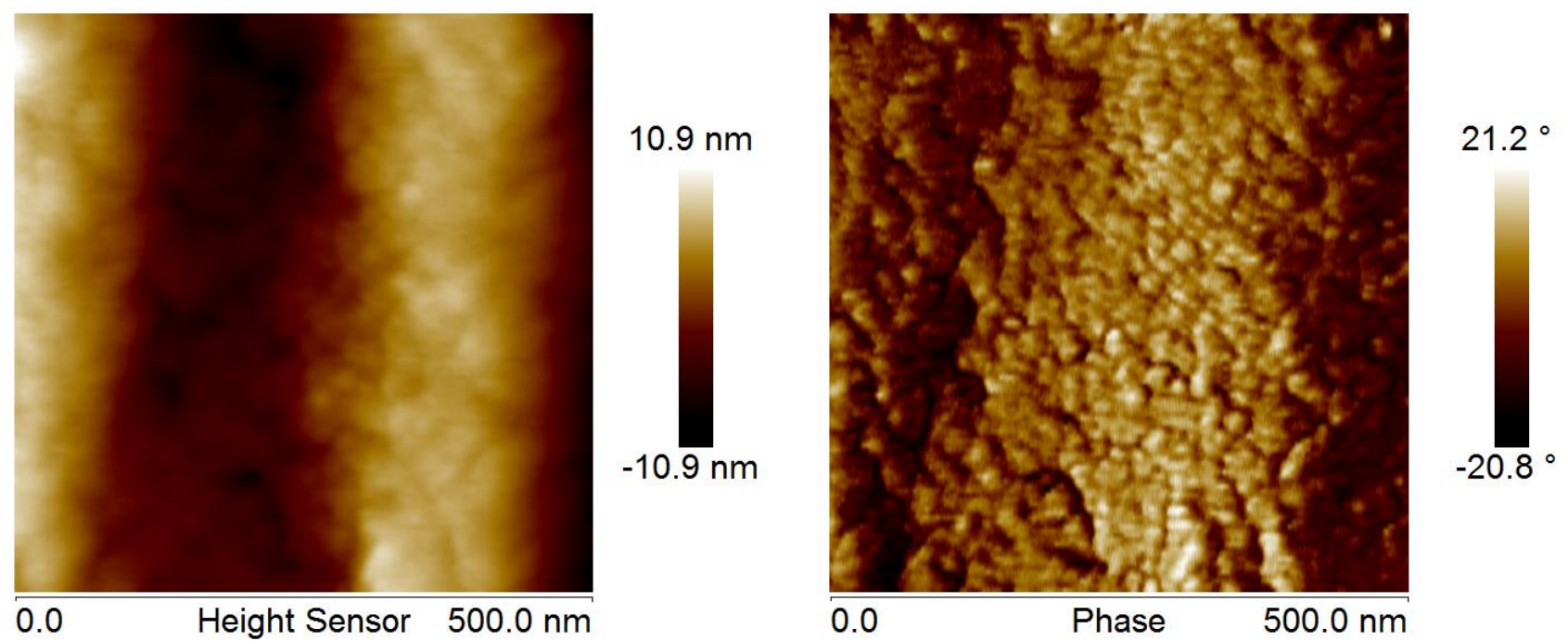


Figure S102 – Individual 10, Unstretched, Fiber 19, Image 94, 2018/03/22

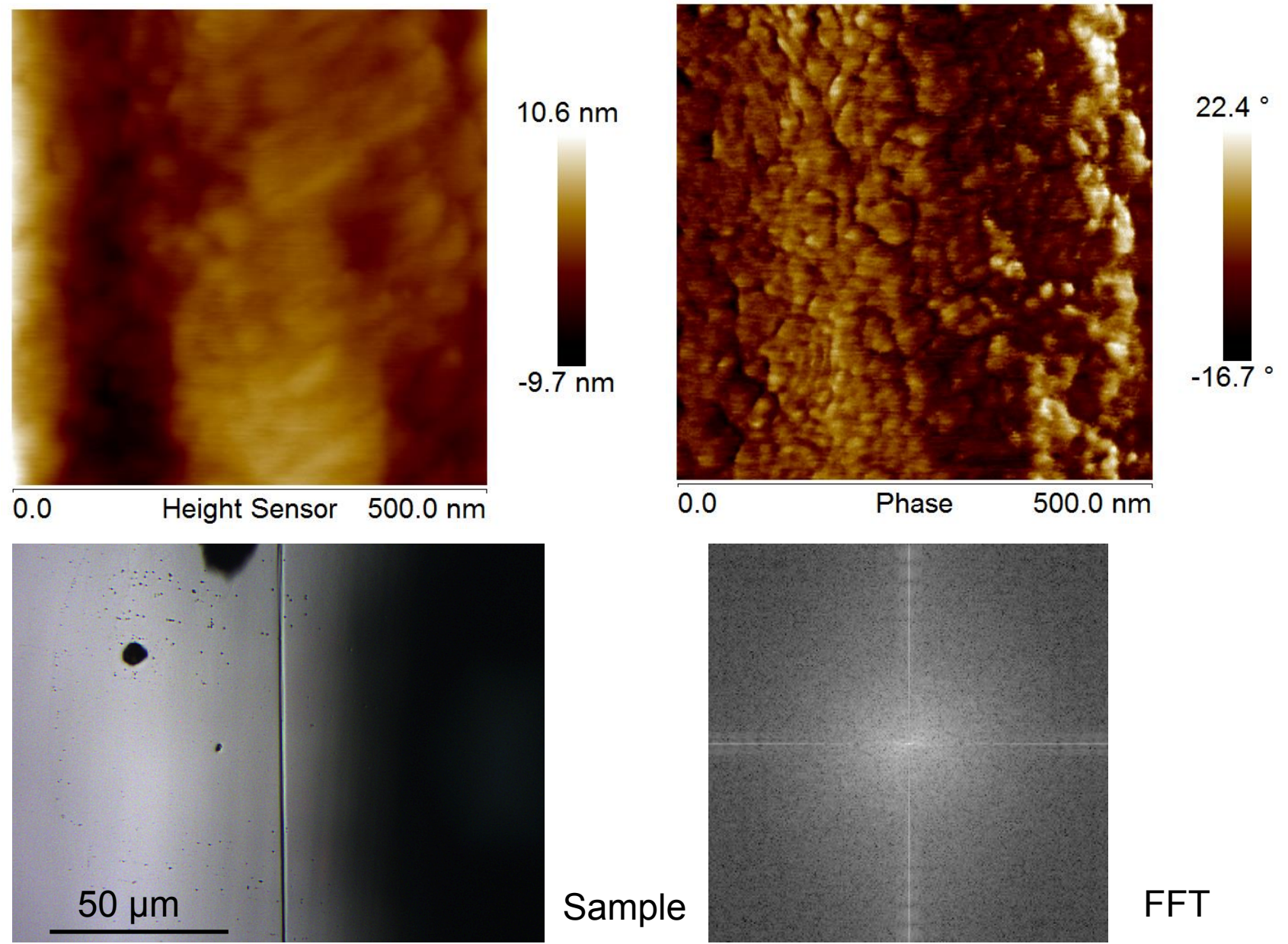
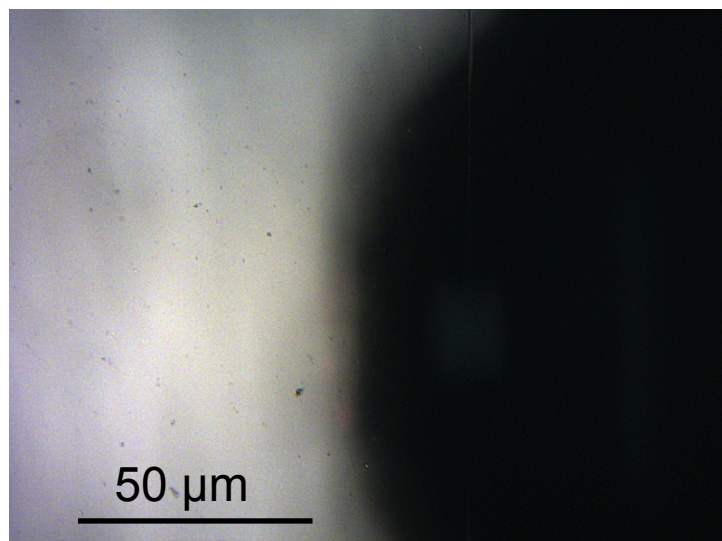
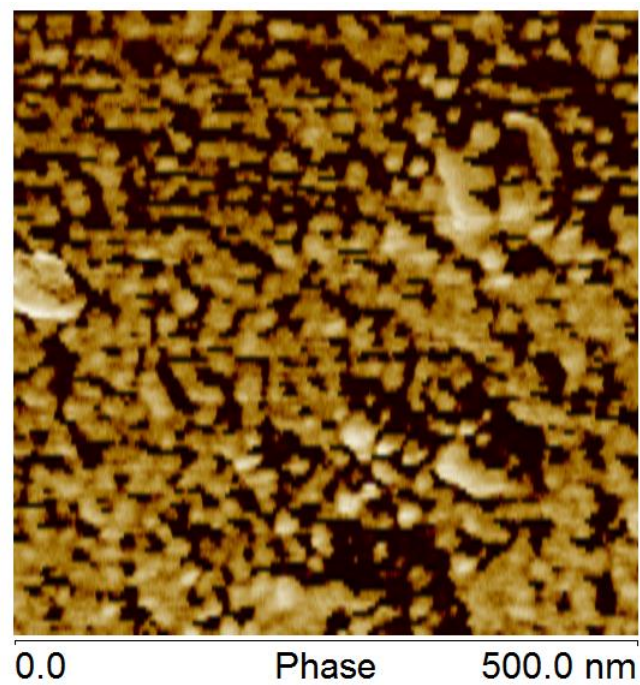
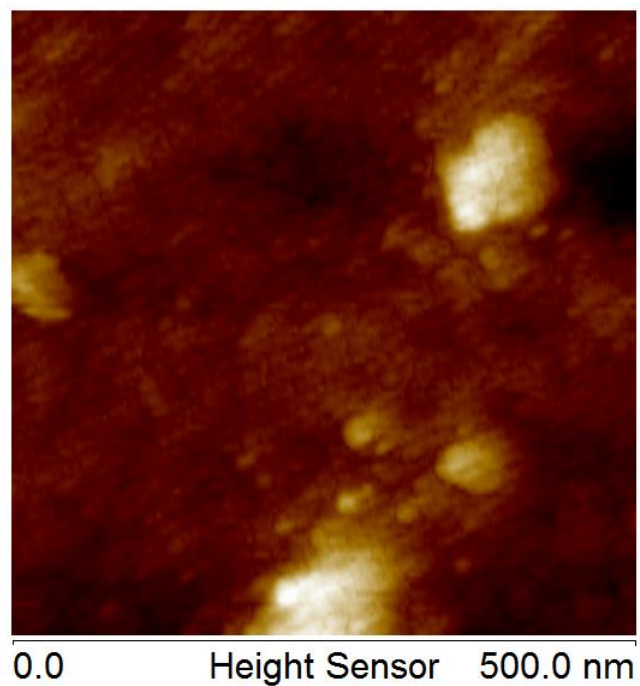
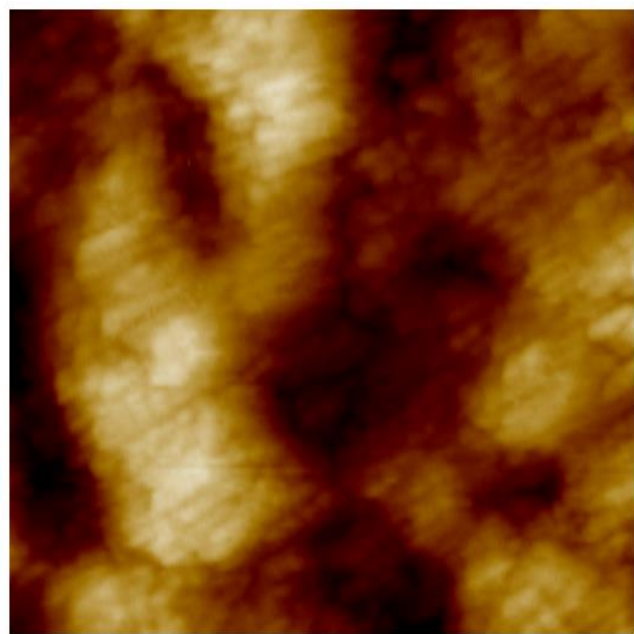


Figure S103 – Glass surface image 95, 2017/12/18

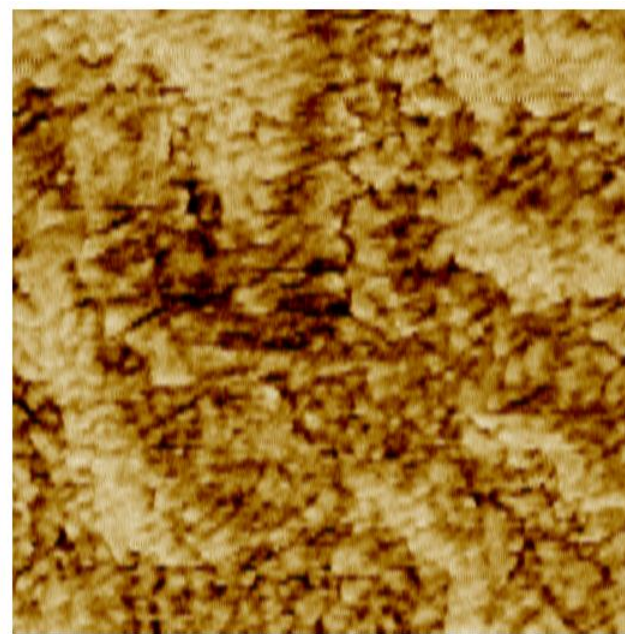


Sample

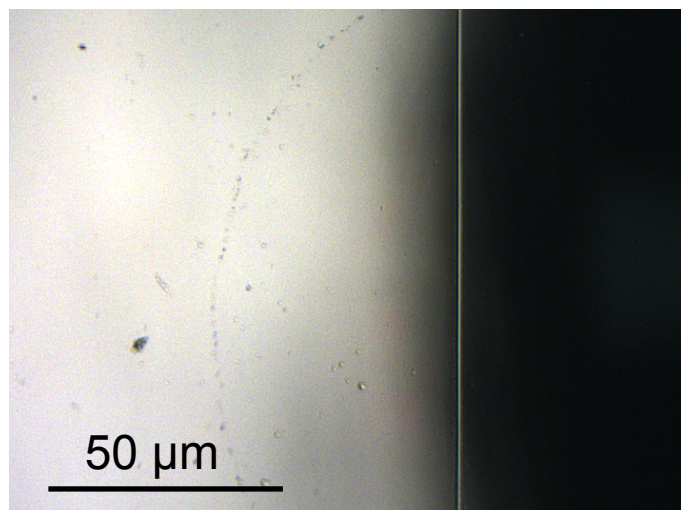
Figure S104 – Glue on glass surface image 96, 2017/12/18



0.0 Height Sensor 500.0 nm

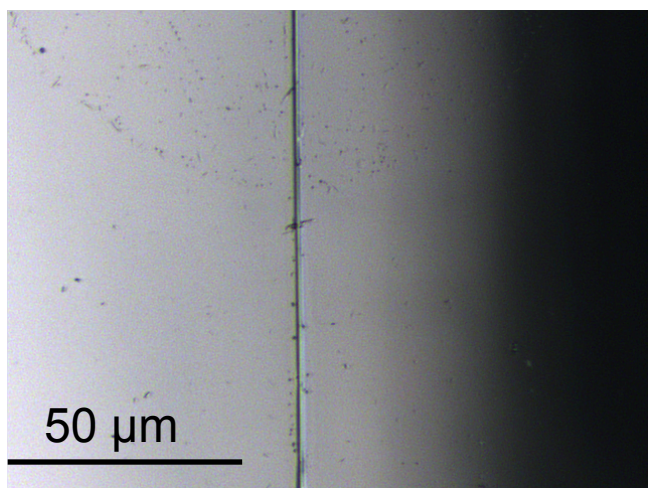
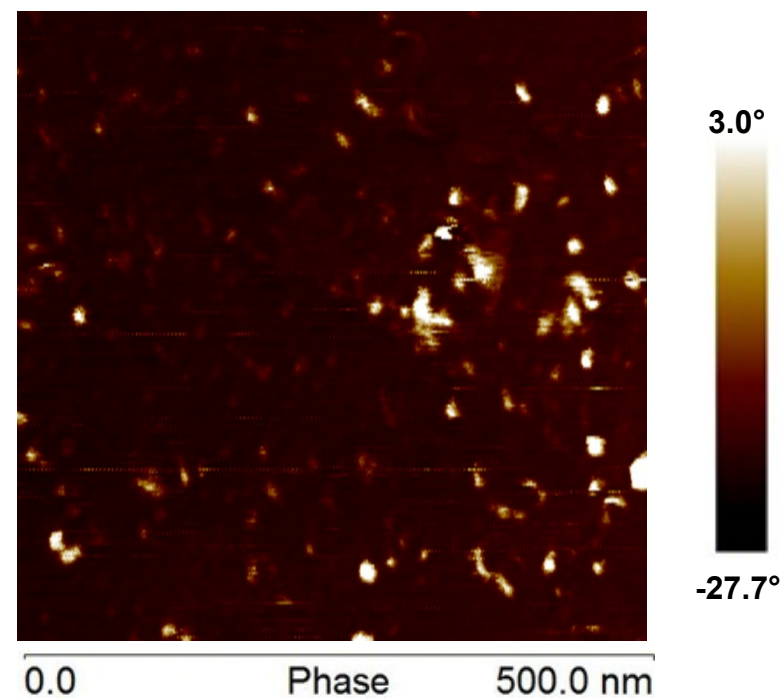
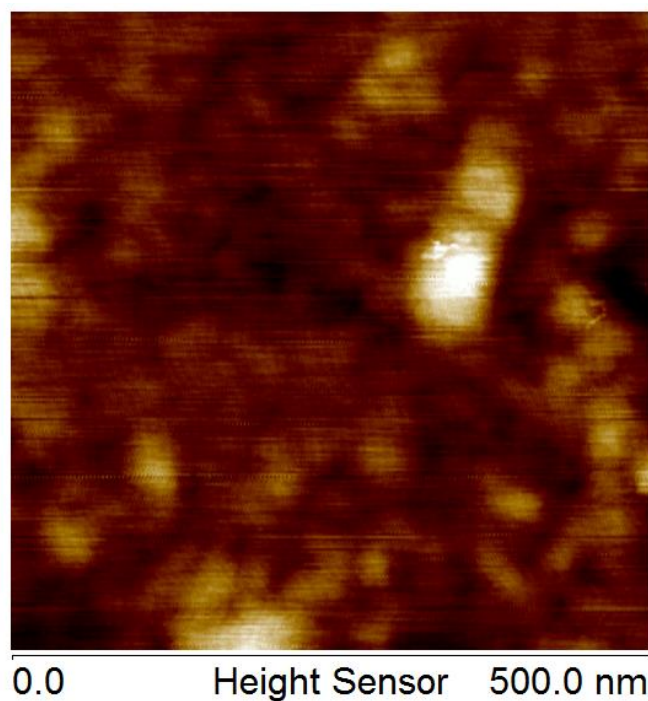


0.0 Phase 500.0 nm



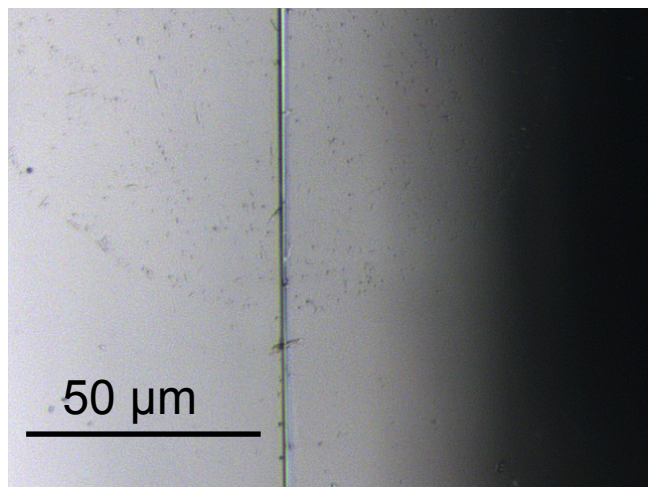
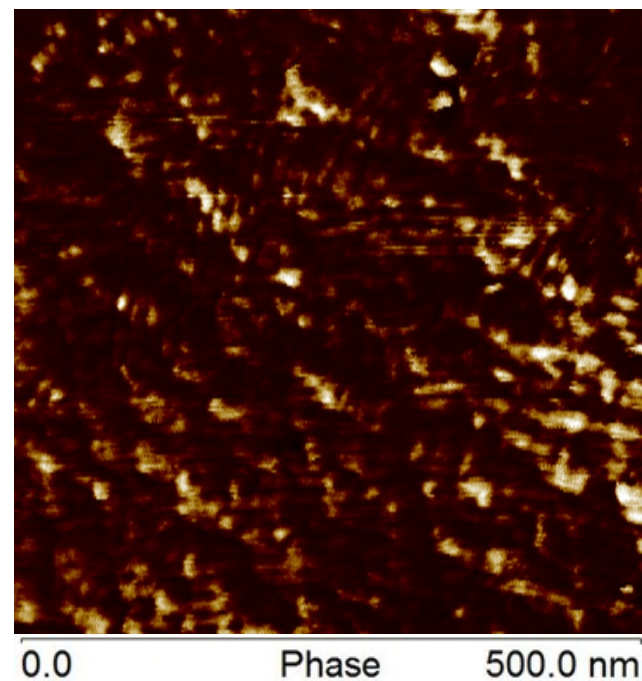
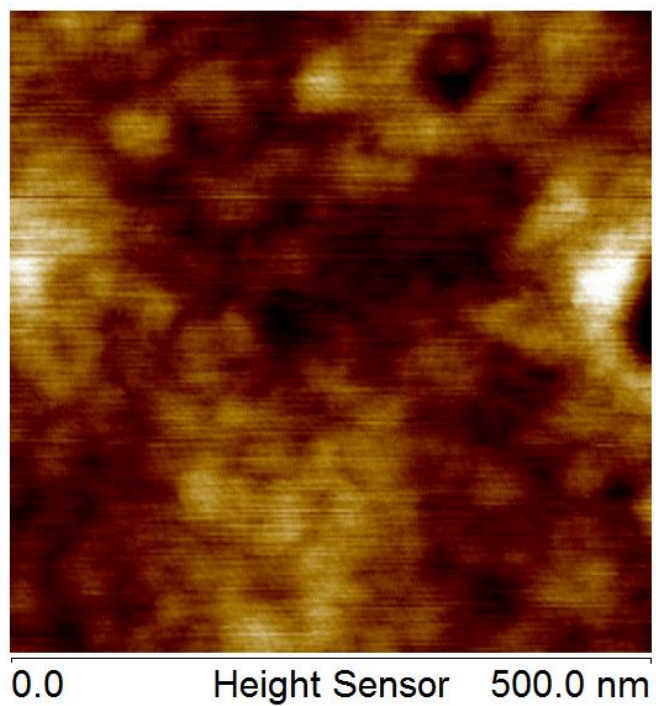
Sample

Figure S105 – Glass surface image 97, 2018/01/26



Sample

Figure S106 – Glue image 98, 2017/12/18



Sample