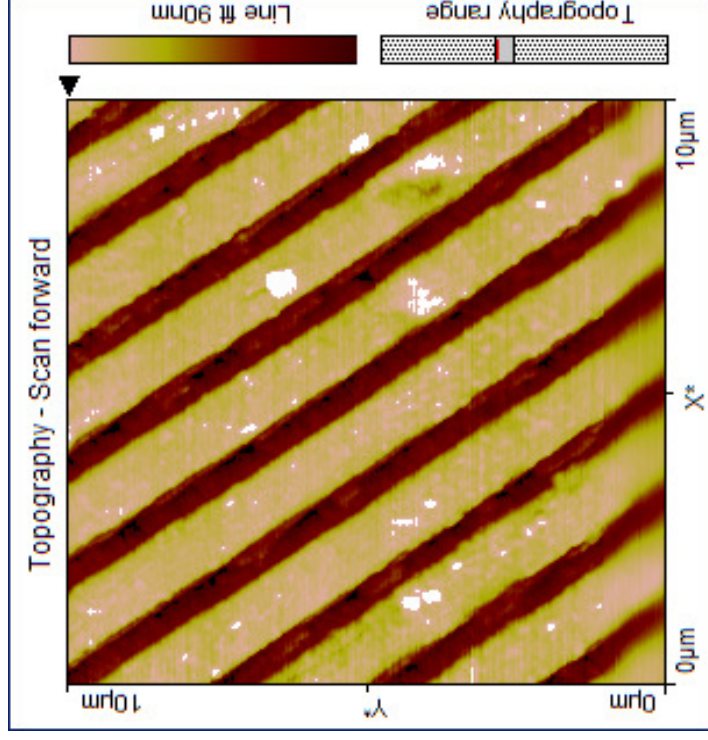


AFM images for CD, DVD, and Blu-ray

Rama Balachandran
Riverwood High School Atlanta, GA

Karen Porter-Davis
Chamblee Charter High School Chamblee, GA

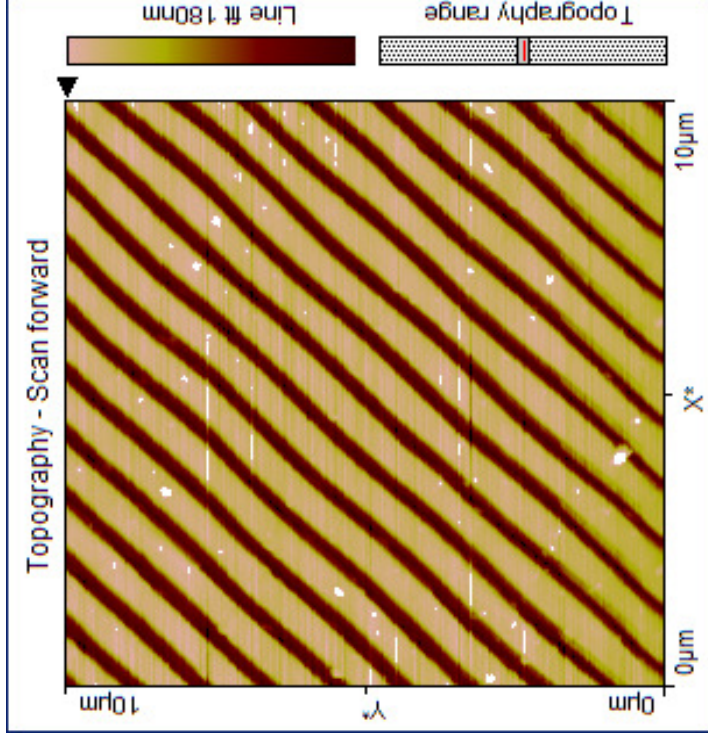
AFM Images of CD and DVD (unrecorded)



CD-Blank

(10 μm scan)

Track pitch = 1.57 μm

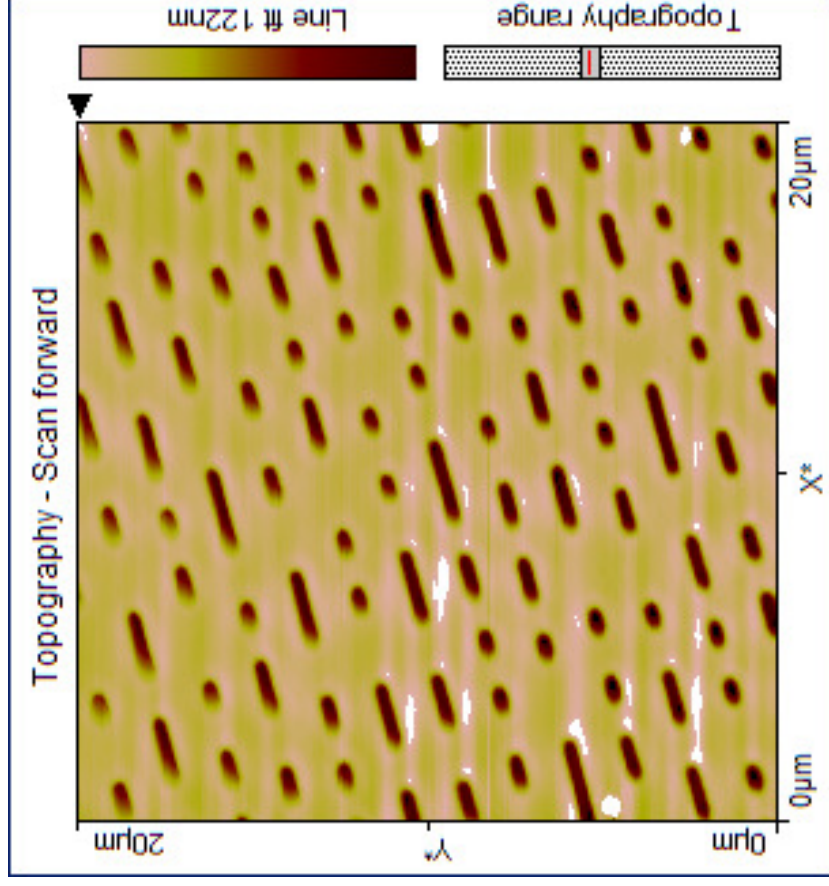


DVD- Blank

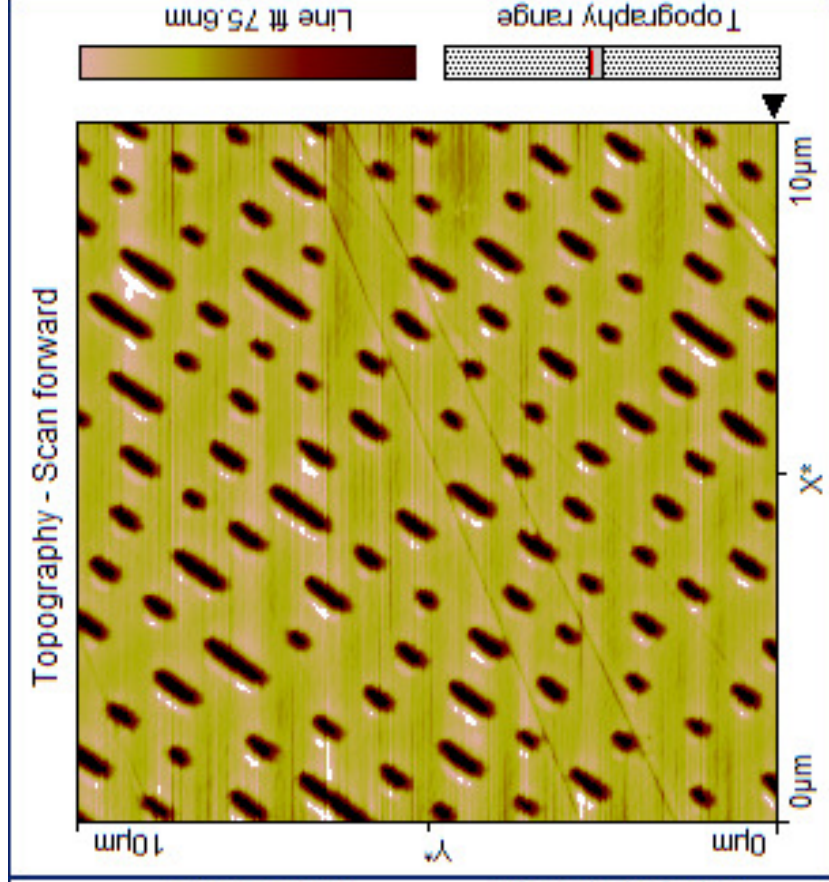
(10 μm scan)

Track pitch = 0.780 μm

AFM Images CD/DVD (recorded)

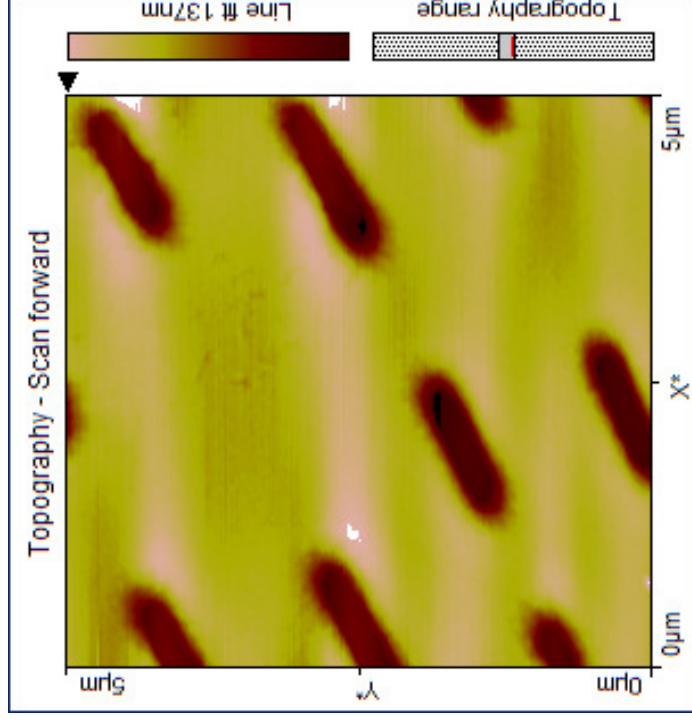


CD - data encrypted
scan size : 20 μm

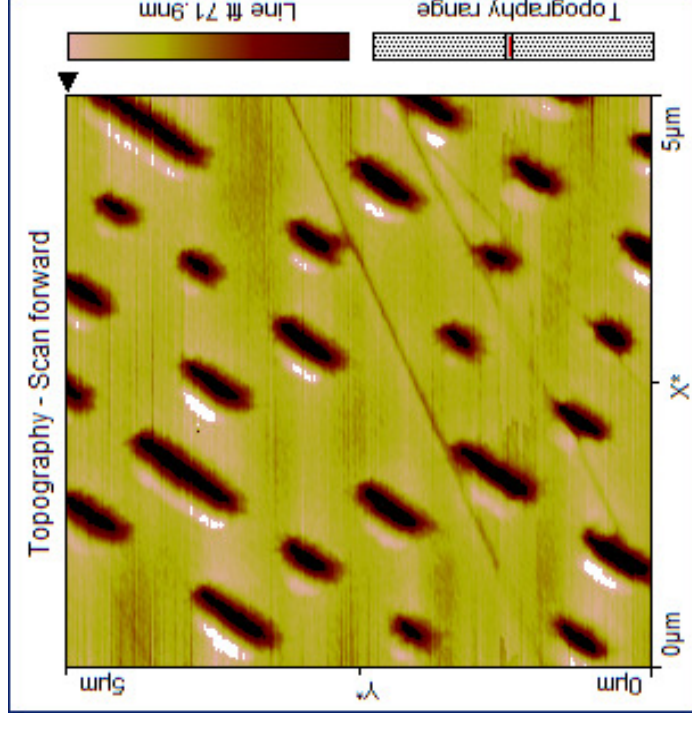


DVD - data encrypted
scan size : 10 μm

AFM Images CD/DVD (recorded)

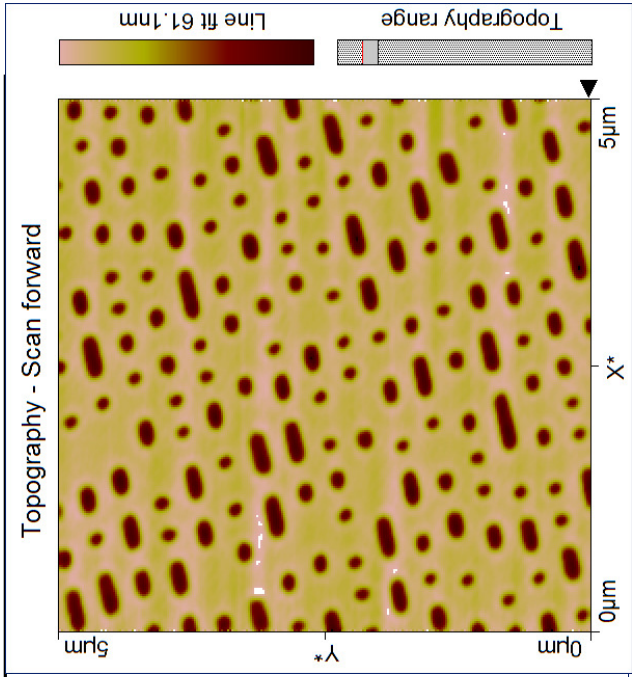
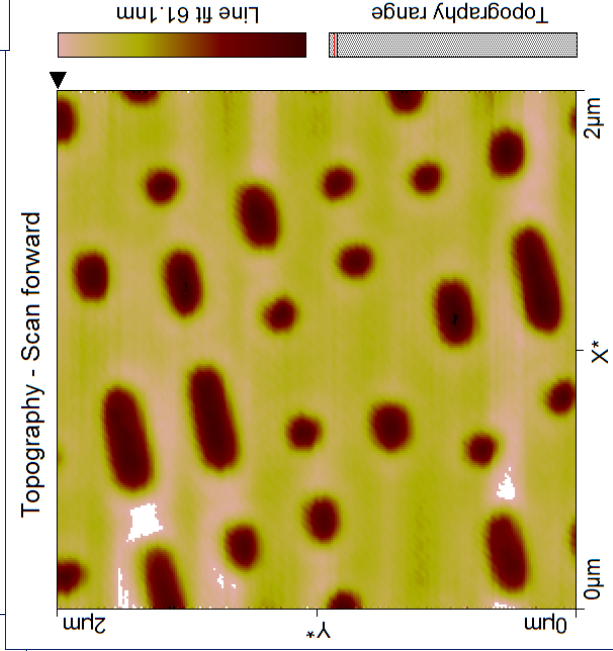
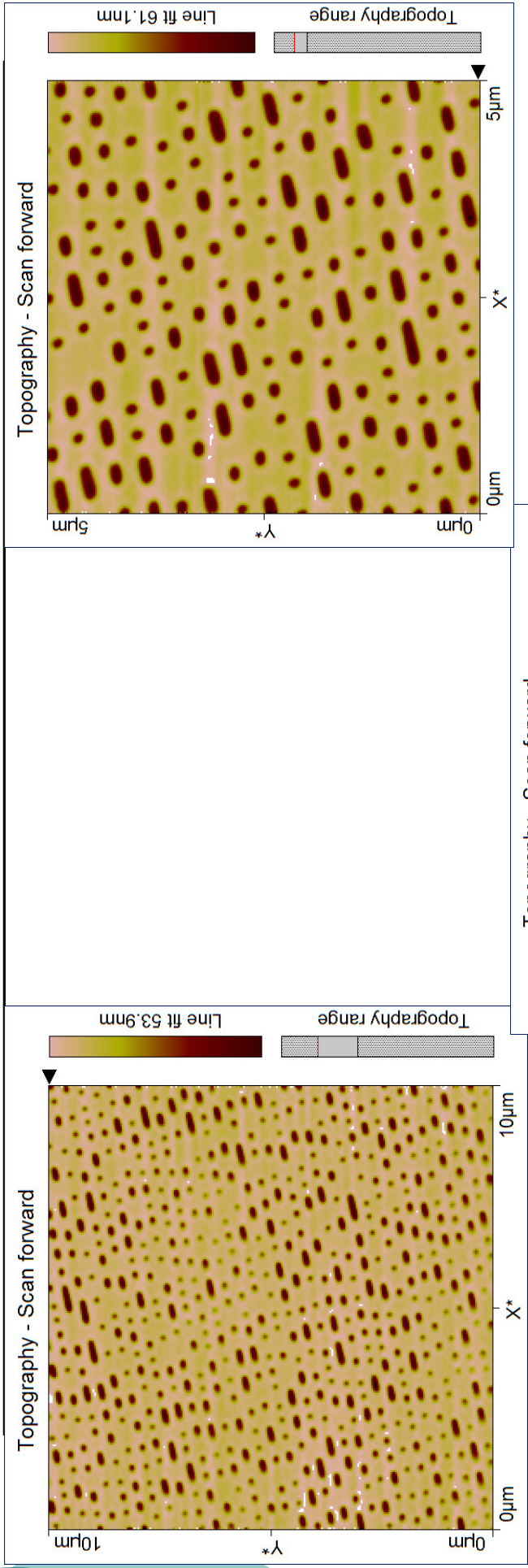


CD - data encrypted
scan size : 5 µm



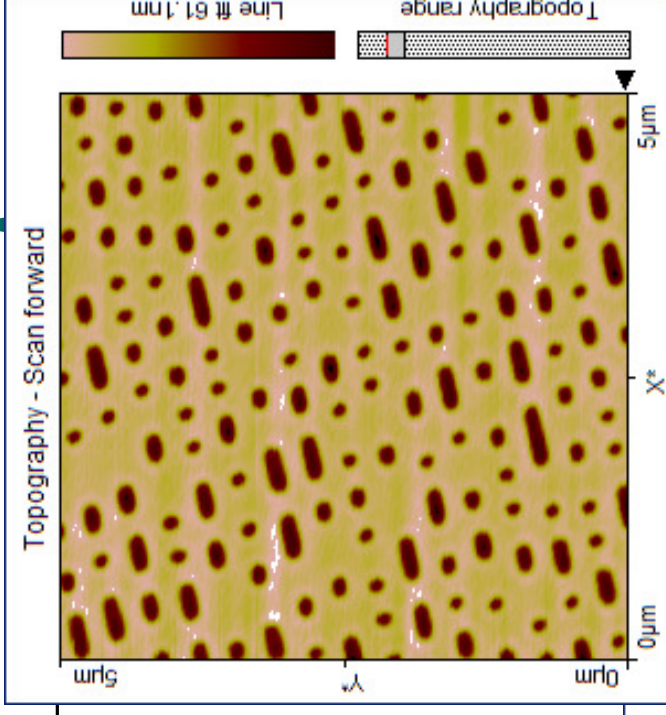
DVD - data encrypted
scan size : 5 µm

BLU-RAY AFM IMAGES

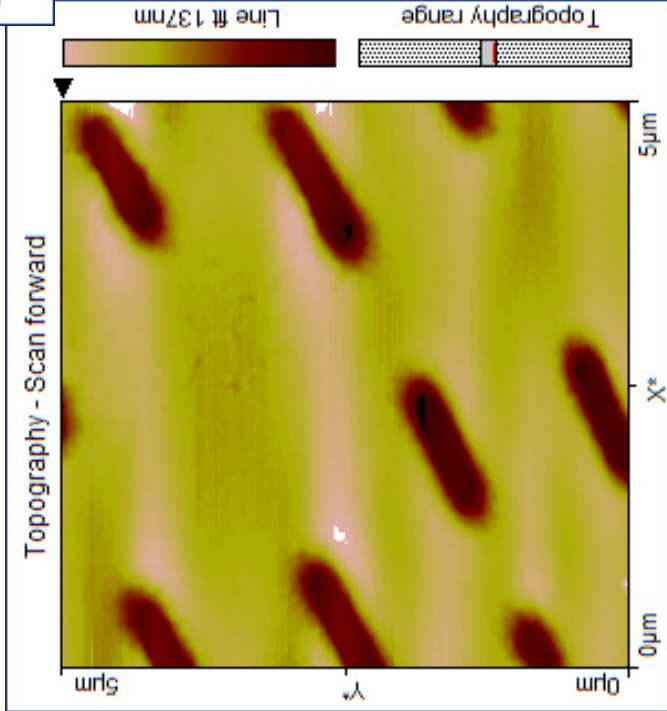


COMPARASION AFM IMAGES- 5 μ m SCAN

Blu-Ray Disc



CD



DVD

