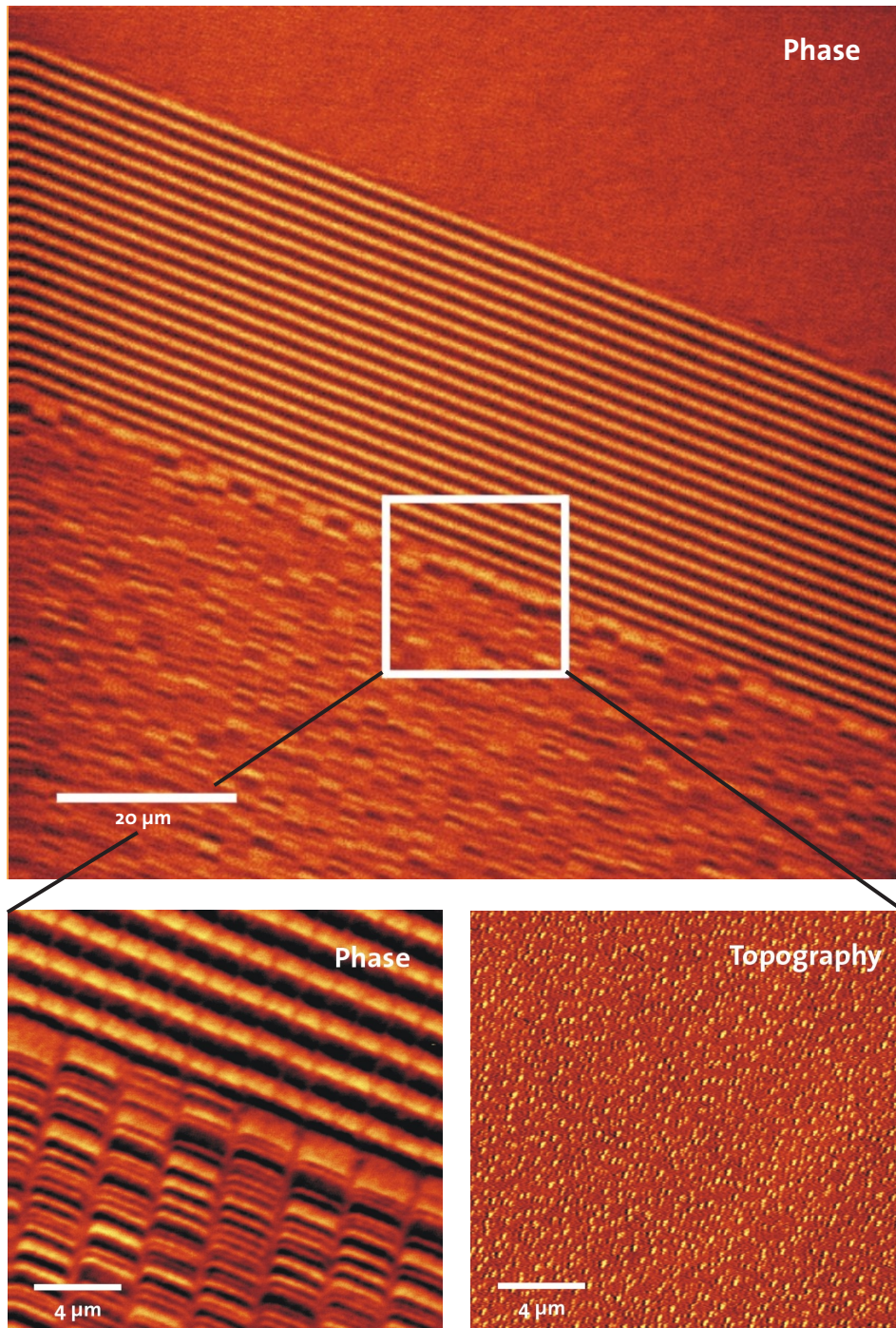


## Atomic Force Microscopy - Magnetic Force Mode (MFM)

### PC Hard Drive



Magnetic Force Mode measurements with the alpha300 A were performed by using AC Mode techniques with magnetic tips (Nanosensors, Typ MFM). The images show the results of such a measurement on a 2,5" PC hard disc drive (Hitachi, DK 225A-21). The observed topography is very flat and uniform. It is caused by solid state lubricants. The corresponding phase images instead show a clear magnetic contrast. Different regions in the magnetic structure and even single data tracks can be easily observed.