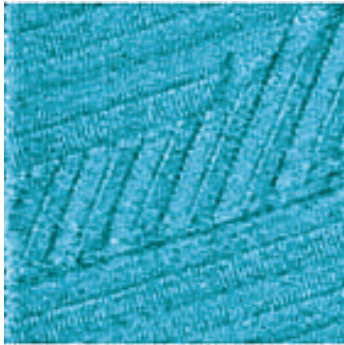


# Self assembled organic layers

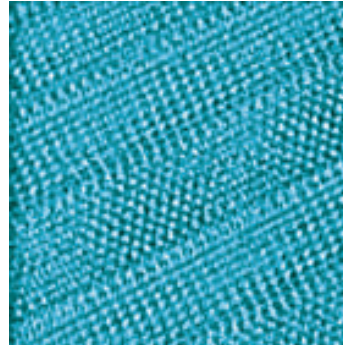
## Nanosurf® easyScan E-STM Application Note

The following measurements show images taken with easyScanSTM on 2-dimensional molecular crystals of dotriacontan and octadecanol molecular layers prepared on HOPG.

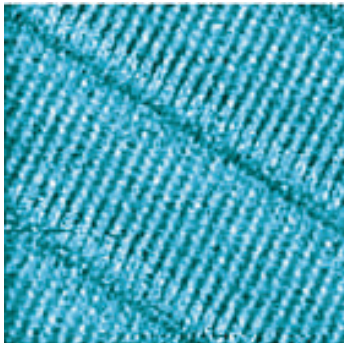
### STM measurements on organic thin films (raw data)



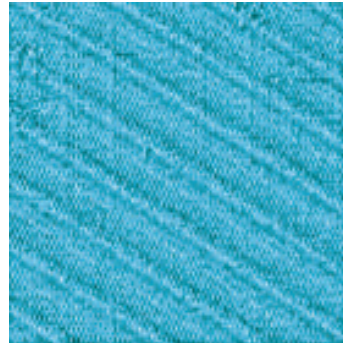
Octadecanol thin films  
scan size: 38 nm



Octadecanol  
scan size: 16 nm



Dotriacontan thin films  
scan size: 13 nm



Dotriacontan  
scan size: 40 nm

The images are provided by Dr. J. Francis Wolf Humboldt-University, Berlin, GERMANY.

[francis.wolf@physik.hu-berlin.de](mailto:francis.wolf@physik.hu-berlin.de)

<http://pmm08.physik.hu-berlin.de/homepme.htm>

Instructions on the properties of such crystals and how to prepare them can be found in "J.P. Rabe, S. Buchholz, Commensurability and Mobility in Two-Dimensional Molecular Patterns on Graphite, Science 253 (1991) 424-427" A guide for students' laboratory work can be found at:

<http://pmm08.physik.hu-berlin.de/fprak/fprakrsm.htm> (german)

<http://pmm08.physik.hu-berlin.de/fprak/fprakrsm.htm> (english)