

Gold

new tip

lit-value: 407.82 pm

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- 02\_01 60 mV, 128 px, 0.8 s, 1 nA, 600 nm  
irregular structure, moderate height differences  
symmetry along  $y=0$  axis ?!?  
(not the first time)
- 02 60 mV, 128 px, 0.8 s, 1 nA, 180 nm  
~~irregular~~ regular geometric structures  
(circles, plateaus), symmetric along  $x=0$  axis  
no grid yet
- 03 60 mV, 128 px/line, 0.8 sec, 1 nA, 30 nm  
noise or regular?
- 04 45 mV, 256 px/line, 0.8 s, 1 nA, 30 nm  
somewhat regular, there's hope for good  
resolutions at lower scales!
- 05 45 mV, 256 px/line, 0.8 s, 1 nA, 8 nm  
quite regular, probably not atoms, though  
(much too small distances)
- 06 45 mV, 256 px/line, 0.4 s, 1 nA, 3 nm  
→ just noise
- 07 35 mV, 256 px/line, 0.4 s, 1 nA, 20 nm
- 08 35 mV, 256 px/line, 0.4 s, 1 nA, 30 nm  
noise  
different positions on sample  
after pressing "cleaning pulse".  
→ only noise, tip not useful

