

• Zoom: 10 nm:

- Horizontale Linien, Tiefe $\sim 1 \mu m$
- Tip current homogen, 211 pA
- keine Gitterstruktur erkennbar

10.

• Neue Spitze aus letzter Spitze*

• Approach 80 mV
45% speed } successfull

↓
Tip Current nicht homogen

• Kollisionen gemeldet.

11.

- Neue Spitze*
Approach 80 mV Tip Voltage
45% speed

Failed → Collision

12.

New Tip

Files:

06_*

⊗

~~00~~ 80 mV (46% speed) successfull; good resolution ^(18 px/line) at 600 nm
-04 55 mV (40% speed) successfull; -11
-02 55 mV (40% speed) successfull; good resolution, interference at 180 nm

Imaging: 0.4 sec; 256 pxs/line

-03 55 mV (40% speed) : at 30 nm: good resolution, what seemed to be noise turned out to be parallel lines!

Imaging: 0.45 sec: 256 pxs/line

-04 55 mV (40% speed); at 10 nm: regularly aligned dots are
-05 WDH → drift! seen at 256 pxs/line.

-06 55 mV at 3 nm: first try with 128 pxs/line, 0.4 sec: not as nice

-07 (55 mV) WDH 256 pxs/line; 0.8 sec sharp lines, but no points visible

-08 45 mV -11- resolution is much better: points can be seen.

-09 35 mV

-11- worse: no more points seen.