

Exceptional service in the national interest



sMIM resolution tester

H lithography- Chip S87

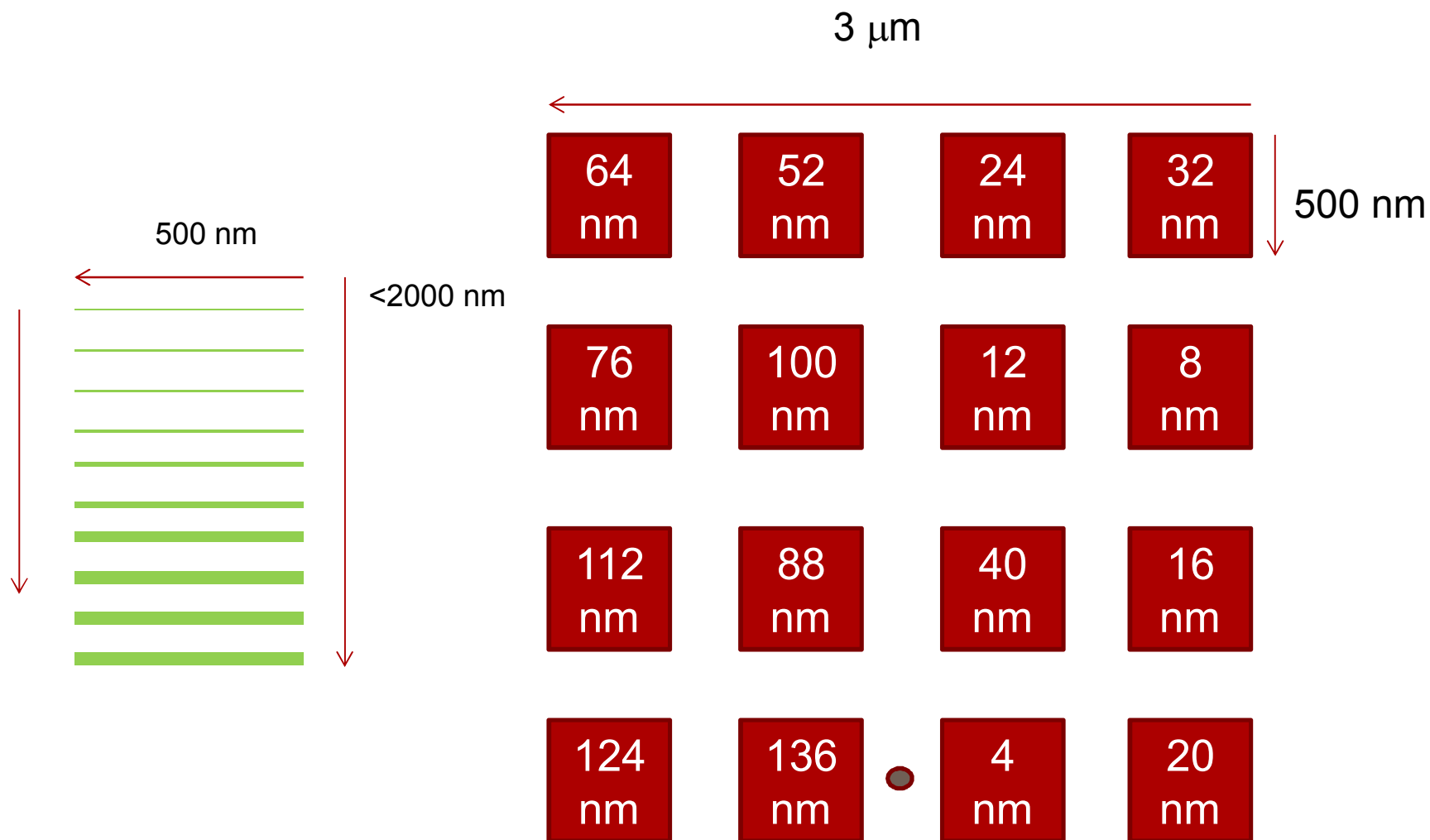


U.S. DEPARTMENT OF
ENERGY

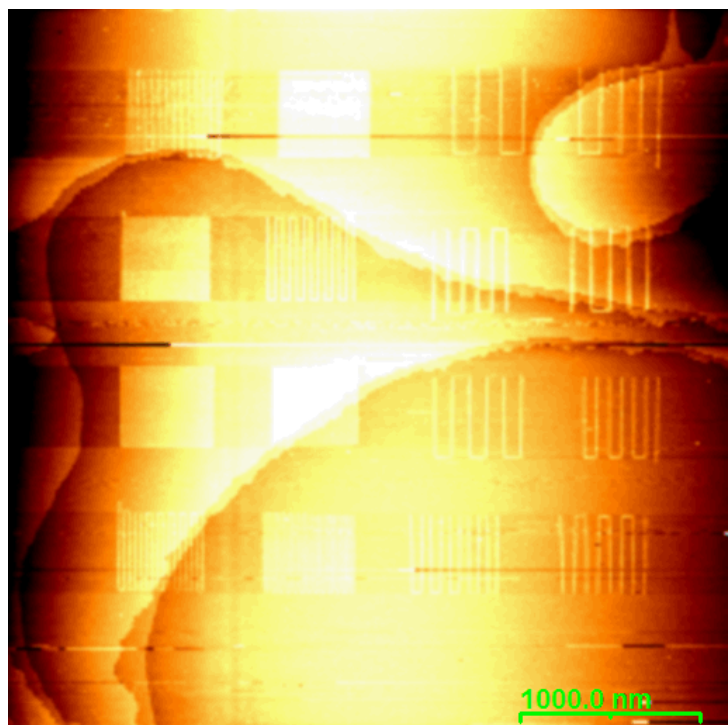


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Pattern



STM images

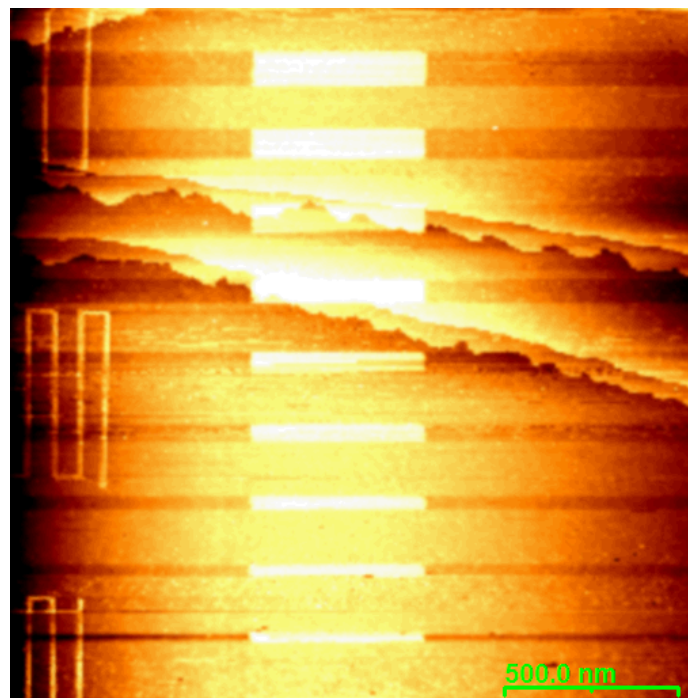


File: Test_150929_0029
Notebook: Test_2015109
User: Nobody
System: TestSystem
2015.09.29 15:18:44
1.4

Scan size: [4000.0, 4000.0] nm
Z range: [-0.56, 0.39] nm
Center: [2000.0, 2500.0] nm
Scan speed: 2441.4 nm/s
P/I gain: 30000.0, 15000.0
Sample name: Si_0001

Setpoint: 0.10 nA @ -2.50 V
Z vernier: 2.5; Rot: -3.0 deg
Topo forward; 256x256; FTP
Tip name: T_0001

 **zyvex**
LABS

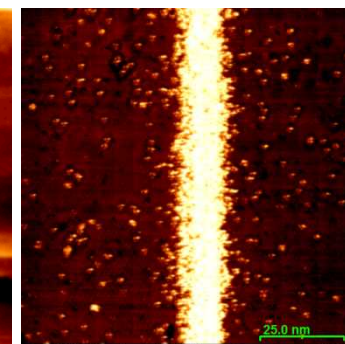


File: Test_150929_0034
Notebook: Test_2015109
User: Nobody
System: TestSystem
2015.09.29 16:27:57
1.4

Scan size: [2000.0, 2000.0] nm
Z range: [-0.29, 0.24] nm
Center: [4000.0, 2500.0] nm
Scan speed: 1220.7 nm/s
P/I gain: 30000.0, 15000.0
Sample name: Si_0001

Setpoint: 0.10 nA @ -2.50 V
Z vernier: 2.5; Rot: -3.0 deg
Topo forward; 256x256; FTP
Tip name: T_0001

 **zyvex**
LABS



File: Test_150929_0035
Notebook: Test_2015109
User: Nobody
System: TestSystem
2015.09.29 16:44:10
1.4

 **zyvex**
LABS

Scan size: [100.0, 100.0] nm
Z range: [-0.07, 0.22] nm
Center: [2000.0, 1500.0] nm
Scan speed: 400.0 nm/s
P/I gain: 30000.0, 15000.0
Sample name: Si_0001

Setpoint: 0.10 nA @ -2.50 V
Z vernier: 2.5; Rot: -3.0 deg
Topo forward; 256x256; FTP
Tip name: T_0001

10 nm linewidth

sMIM images

