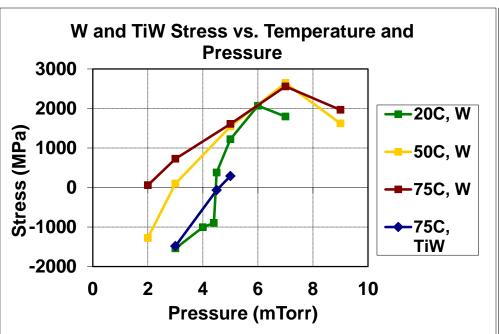
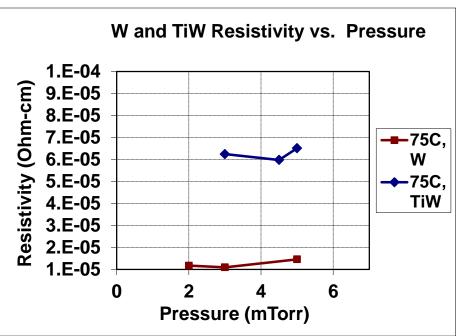
AJA Sputter 4 W and TiW Sputtering for Low Stress and Low Resistivity

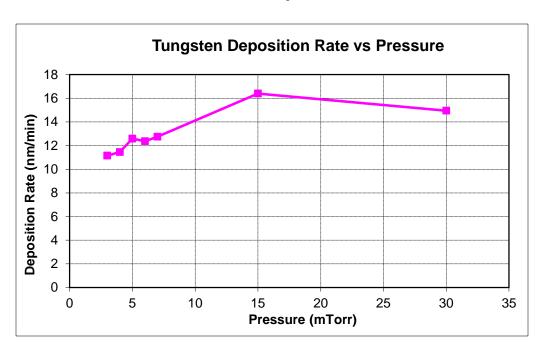




- 300W
- 25 SCCM Ar
- 20 rot/min
- gun angle 5mm
- Z height 2.75
- Silicon Wafers
- 1200-1800s runs

Condition source with dummy sample
Wait 30 minutes between runs to allow for
sample holder in chamber to cool back to
nominal setpoint. Temperature increases
with time affecting stress obtained. Do
calibration with your actual desired time and
thickness

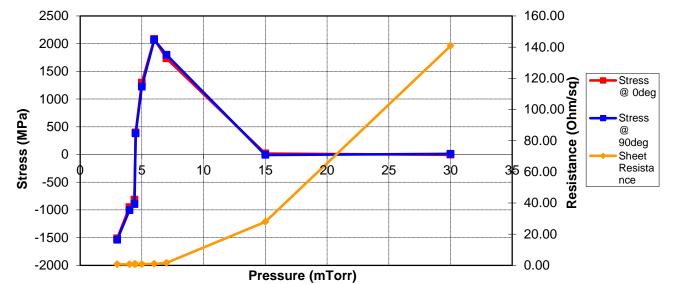
Deposition Rates and Wider Pressure Dependence



- 300W
- 25 SCCM Ar
- 20 rot/min
- gun angle 5mm
- Z height 2.75
- 20degC

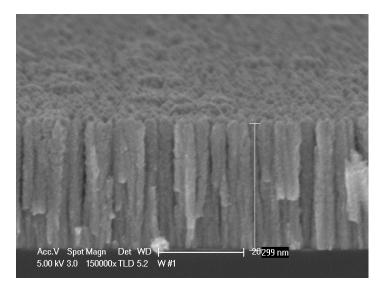
High pressure leads to columnar growth leading to low stress, but very poor lateral resistivity



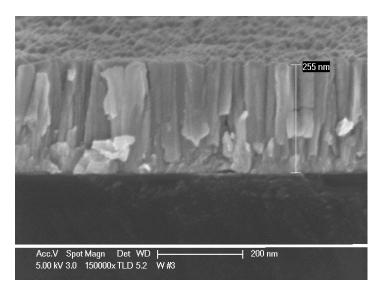


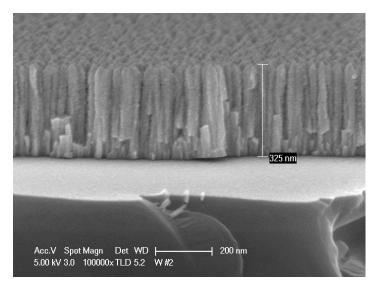
Data by Jeremy Watcher

W Morphology with Pressure

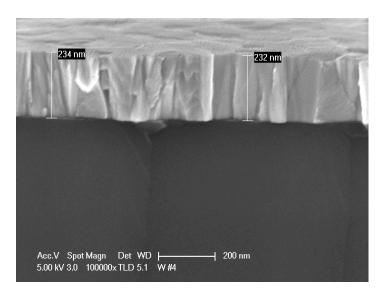


30mT





15mT



7mT 3mT