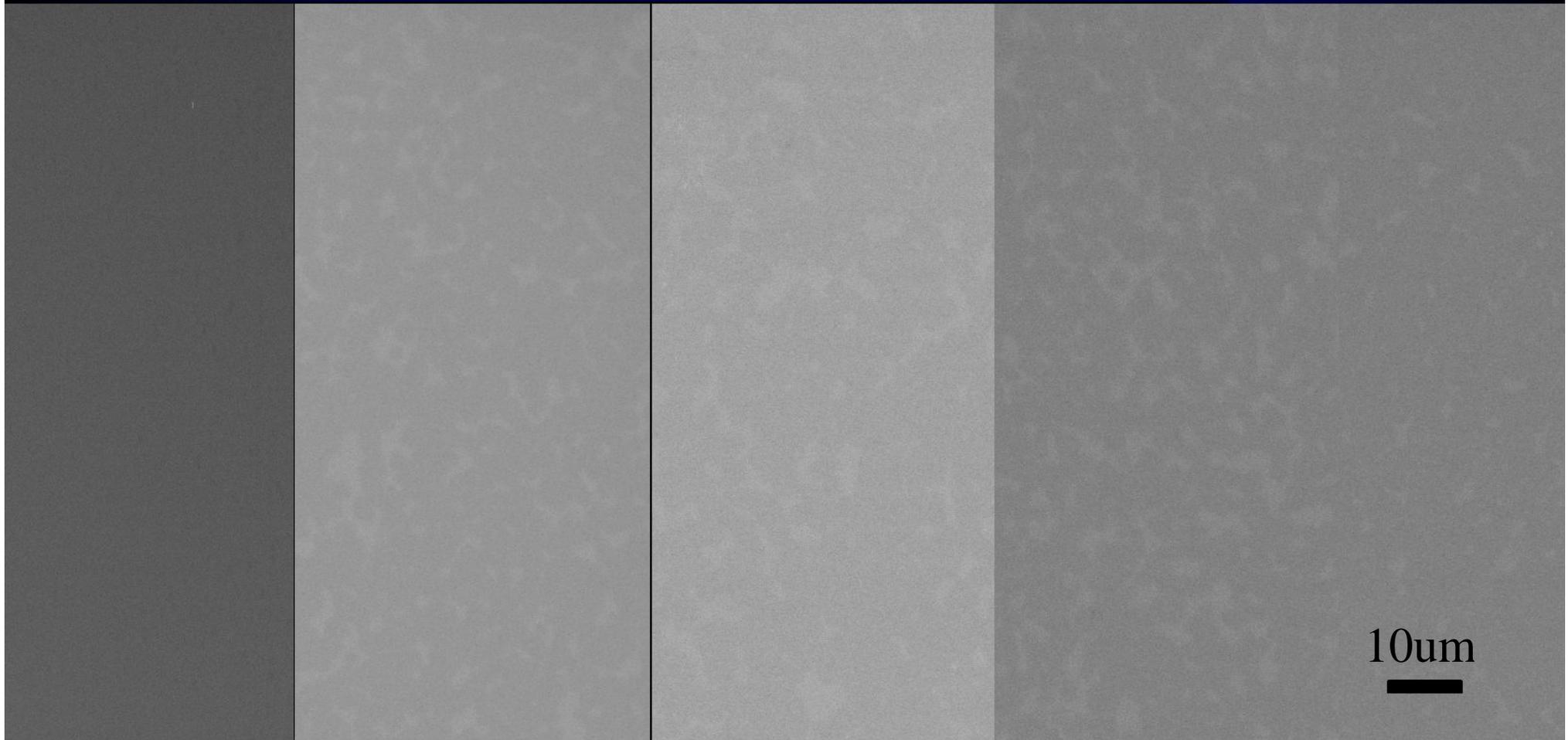


While waiting for funds, we developed garnet seed layers

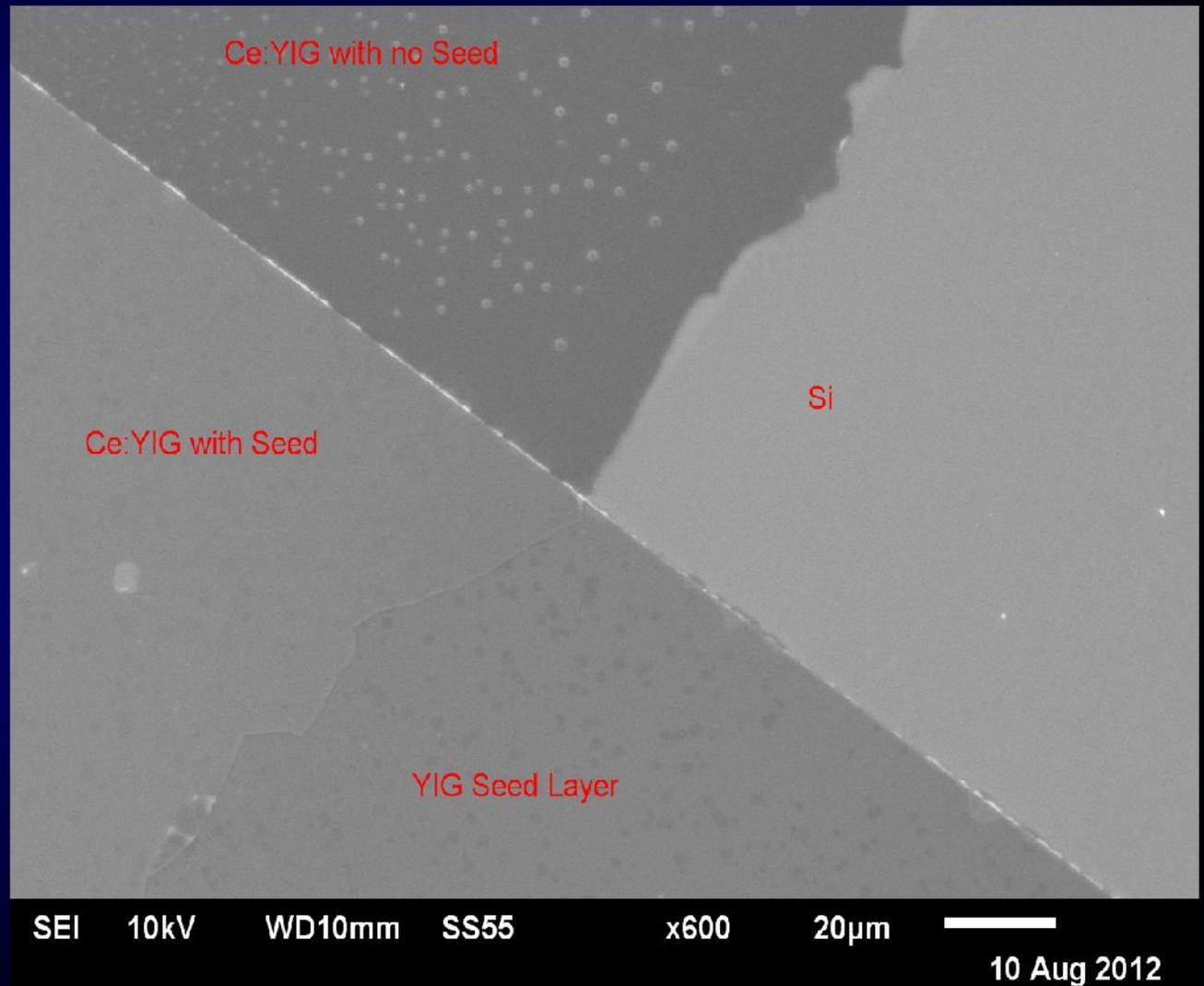


x1,000 10µm SEI 10kV WD10mm SEI 10kV V

- 10-75 nm seed layers: Observed improved crystallinity

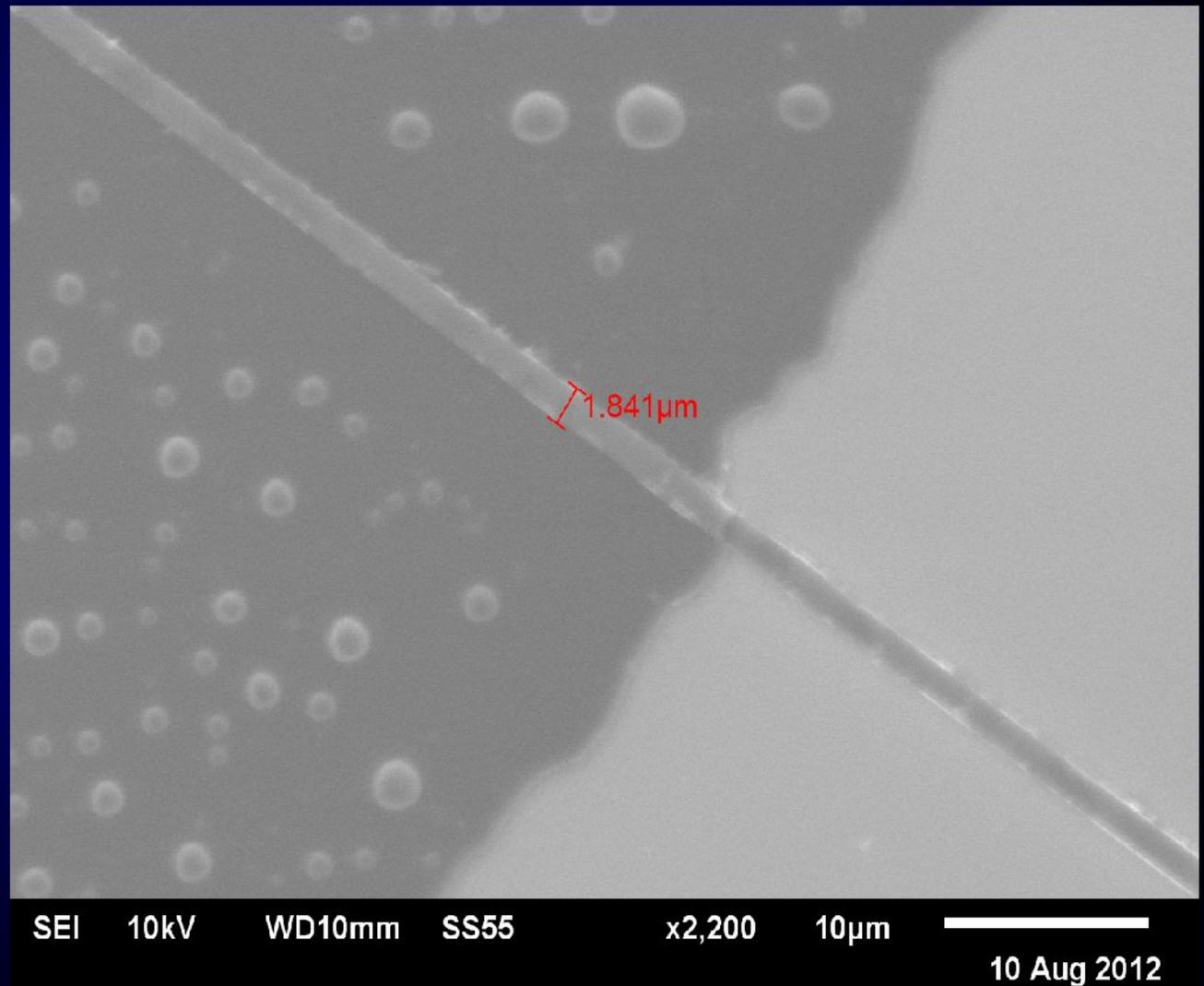
Ce:YIG films

Bubbles have formed in
Ce:YIG layer



Seed Layers

- YIG Waveguides do not have cracks or bubbles



Bismuth Ferrite

- Bi – 30W
- Fe – 120W
- 1.7 sccm Oxygen
- Anneal 550C – 2min - Oxygen

Bismuth Ferrite

