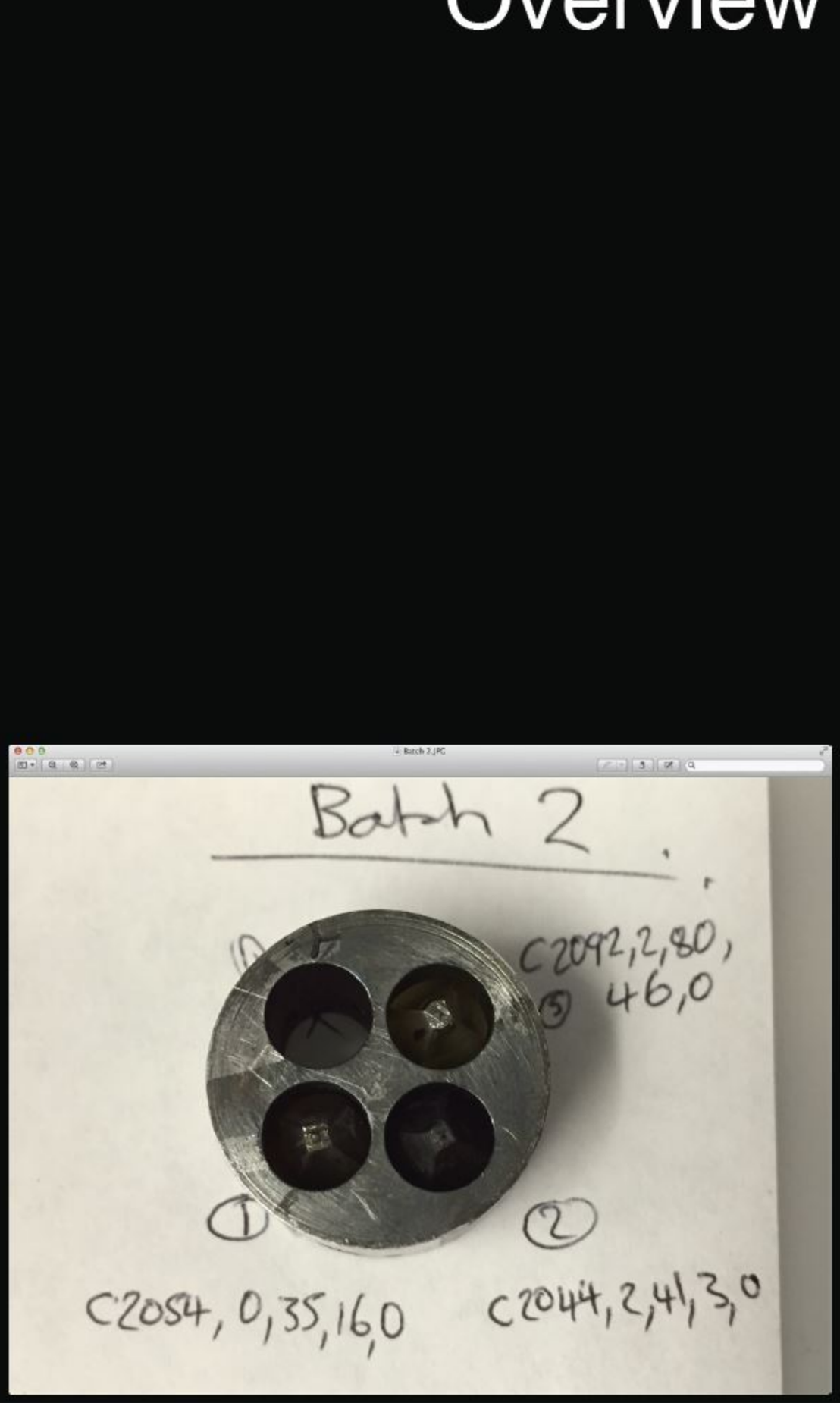
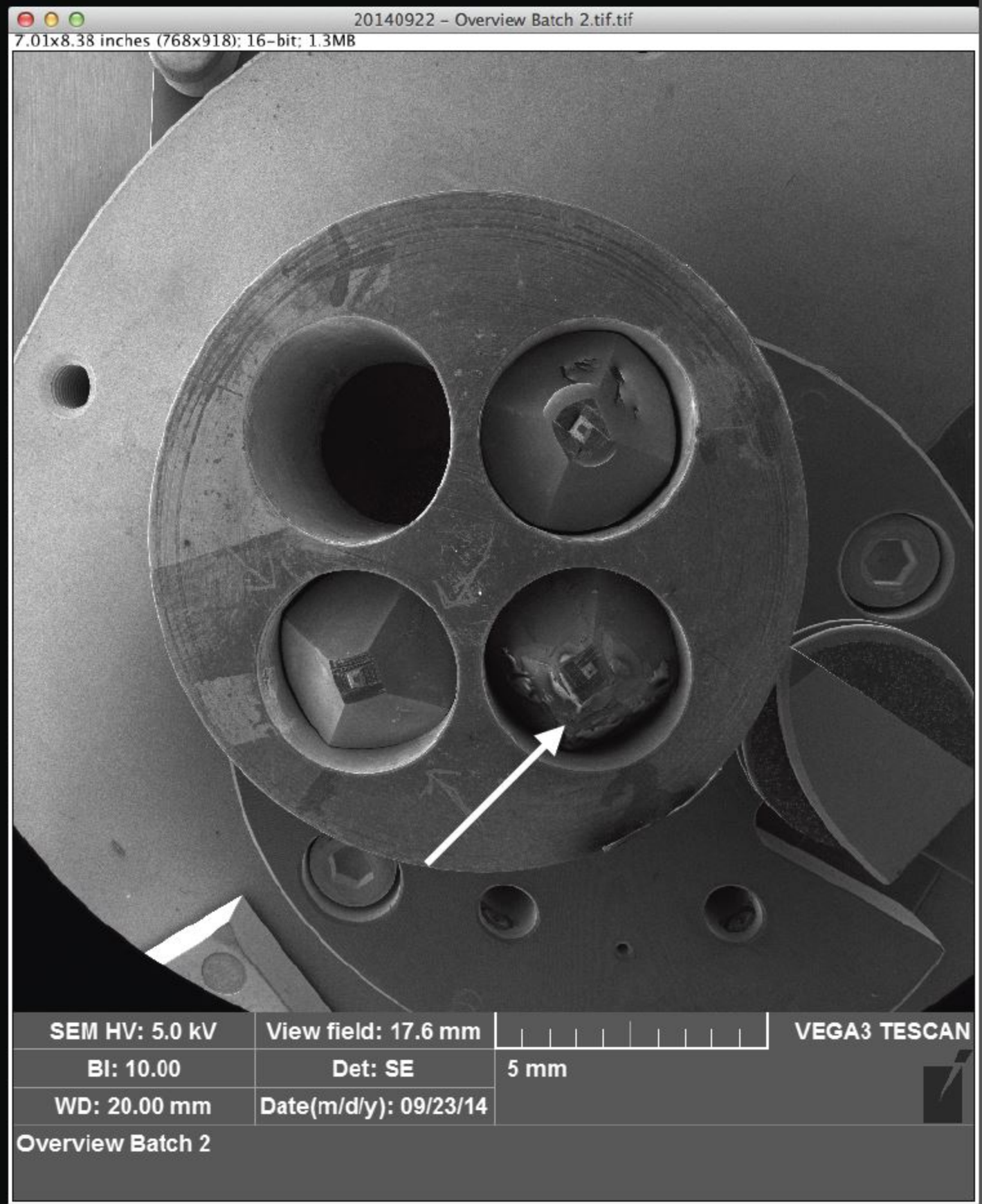
Stardust SEM Bullet Survey Volume 1

Zack Gainsforth

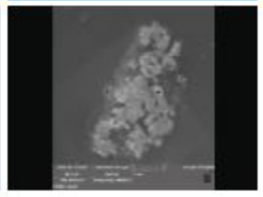
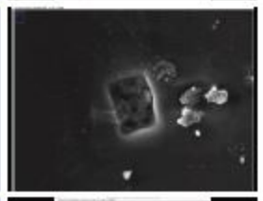
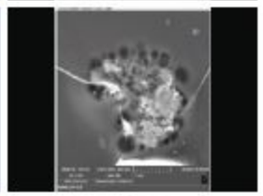
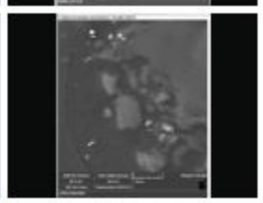
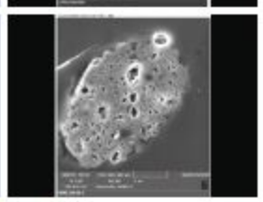
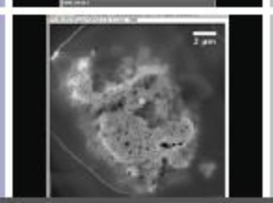
22 Sep 2014

Overview of second batch

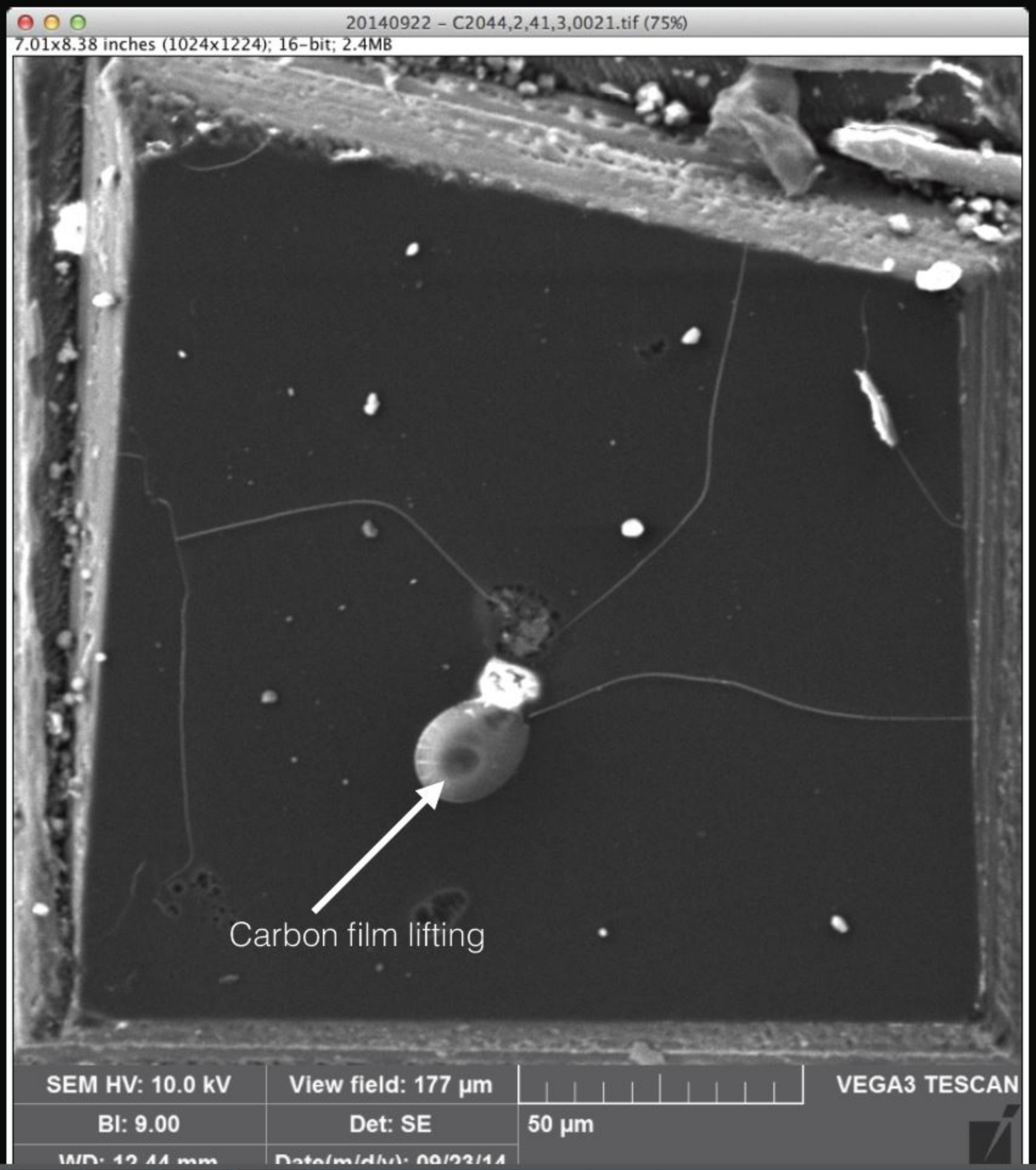




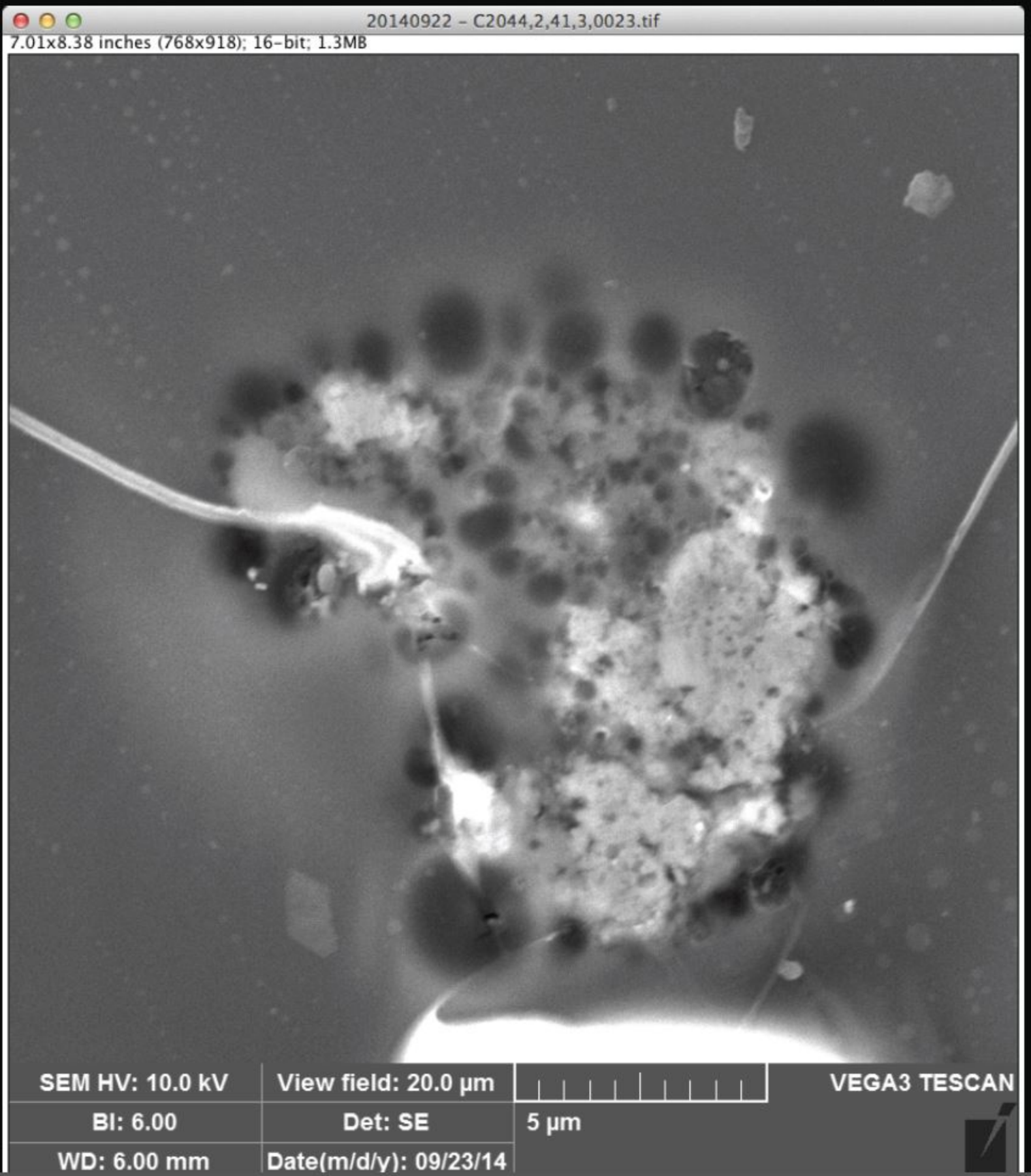
Summary

Bullet	Image	EDS	Summary	Recommend SIMS?
C2004,1,44,4,0		Y	Material clearly visible. Fine grained.	Y
FC12,0,16,1,0		N	Nothing visible.	N
FC3,0,2,2,0		N	Material visible, but likely altered by previous experiment.	N
C2054,0,35,16,0		N	Material visible, possibly altered by previous experiment	N
C2044,2,41,3,0		Y	Material visible. Heterogeneous assembly of different phases.	Y
C2092,2,80,46,0		Y	Aerogel visible, not clear if much track is present.	Y
C2092,2,80,48,0		Y	Material clearly visible. Fine grained.	Y
C2092,2,80,49,0		Y	Material clearly visible. Fine grained.	Y

C2044,2,41,3,0

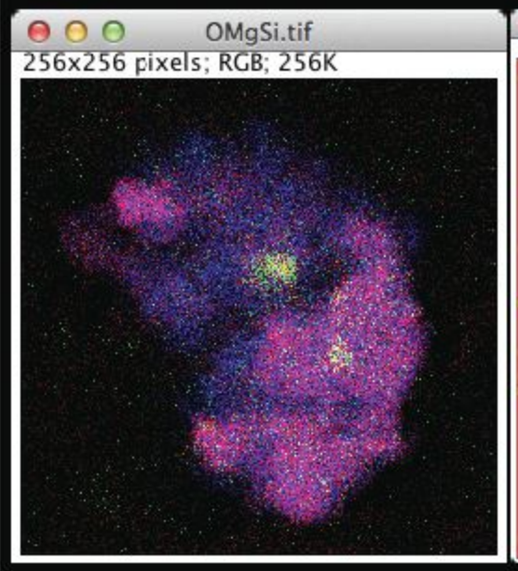

20140922 - C2044,2,41,3,0021.tif (75%)
7.01x8.38 inches (1024x1224); 16-bit; 2.4MB
Carbon film lifting
SEM HV: 10.0 kV
View field: 177 µm
VEGA3 TESCAN
BI: 9.00
Det: SE
50 µm

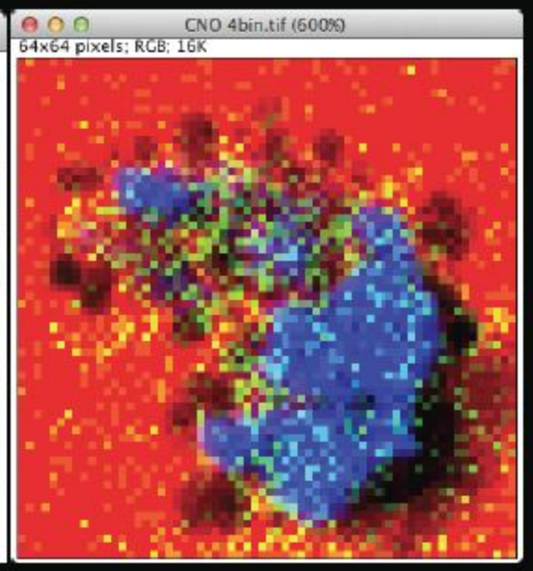
C2044,2,41,3,0

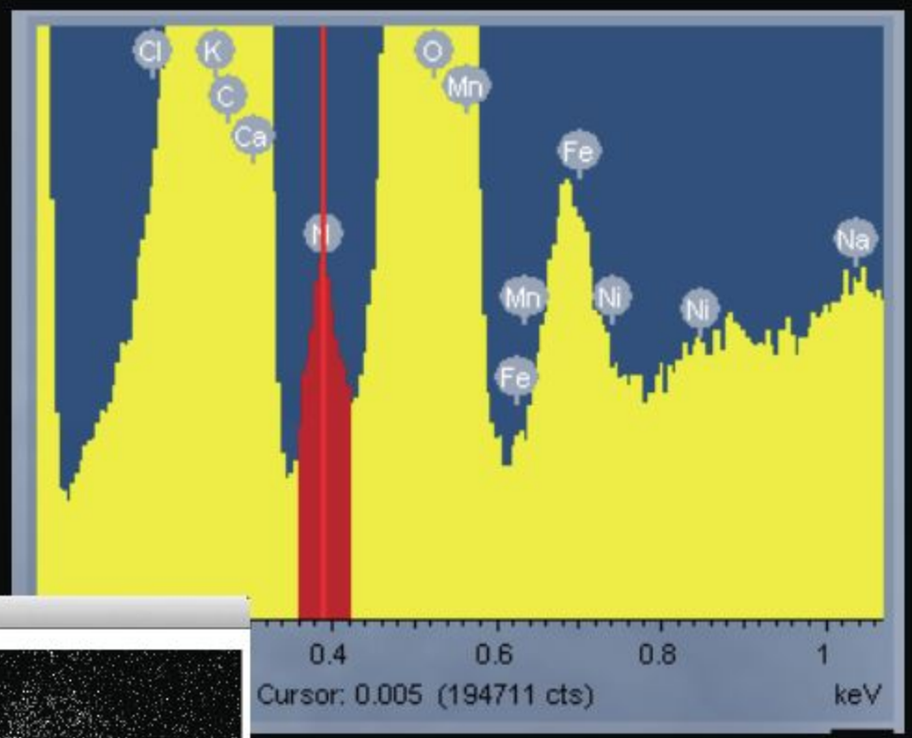


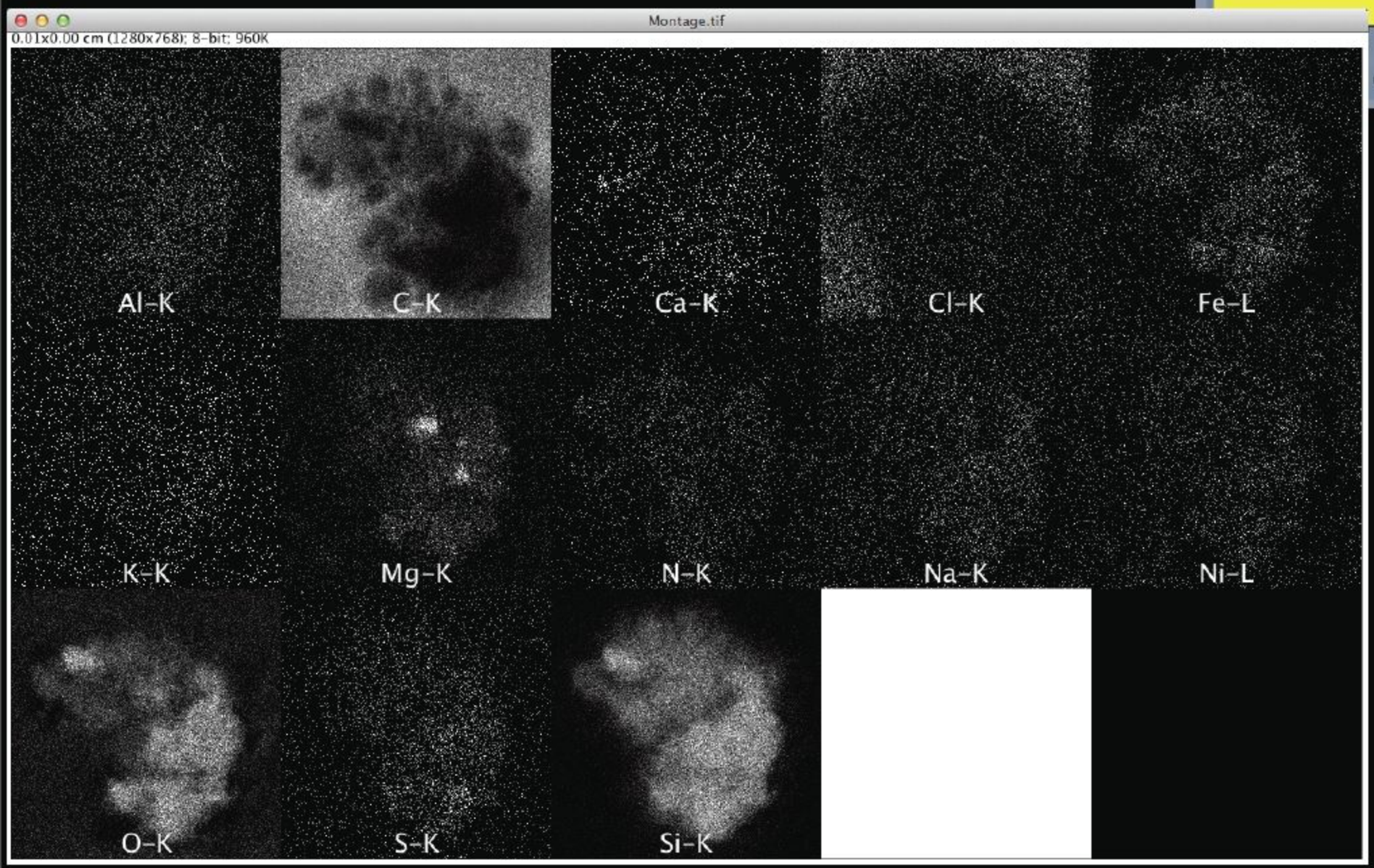
This one looks more like a terminal particle. Check out the EDS maps.

C2044,2,41,3,0





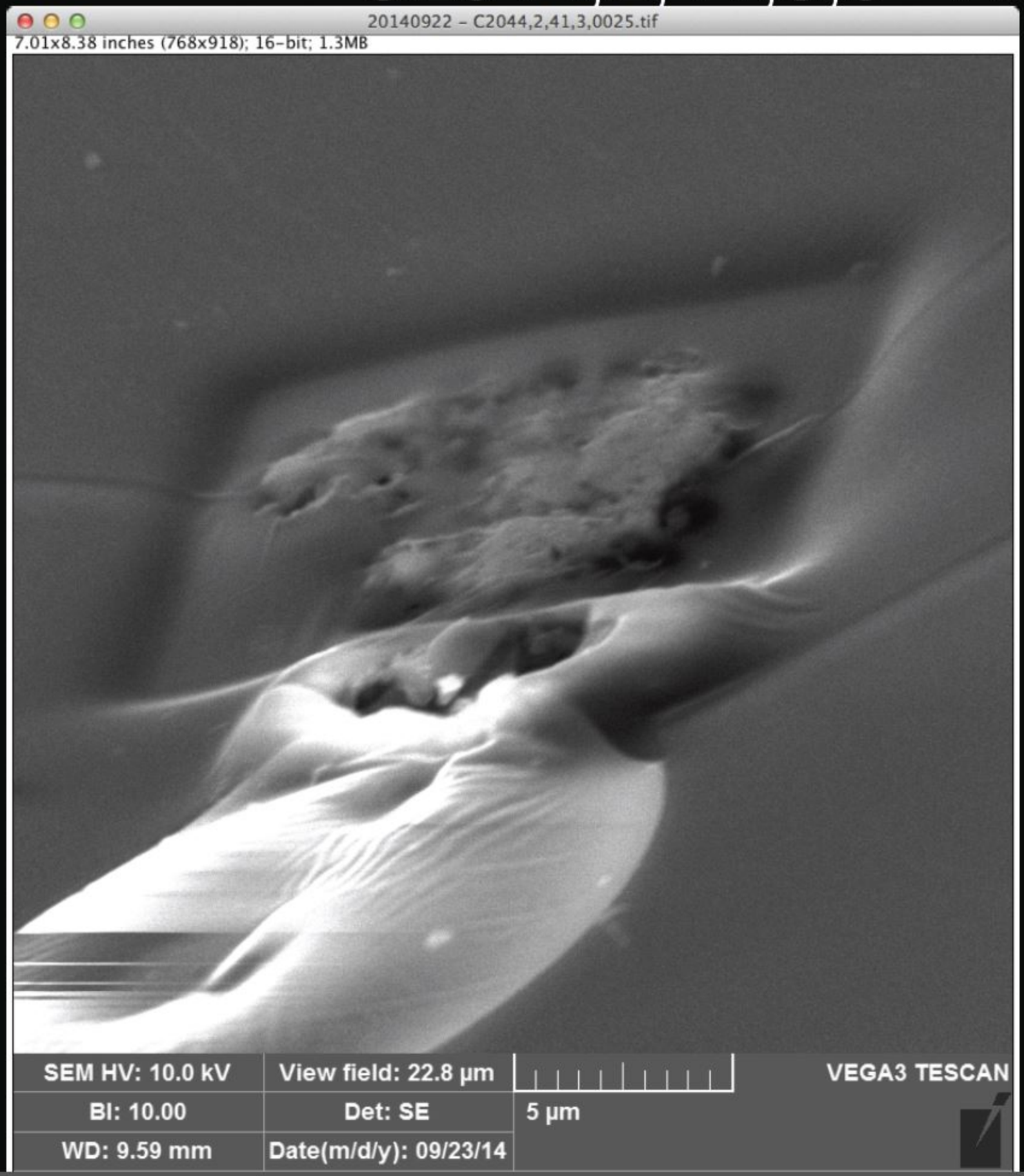




Notice the N is real! It is in the silicon rich portion

Wouldn't this be nice for NanoFTIR if only it weren't coated…

C2044,2,41,3,0 - After EDS



Estimated topography about a micron.