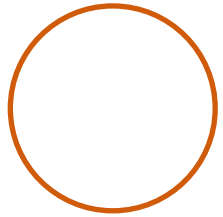
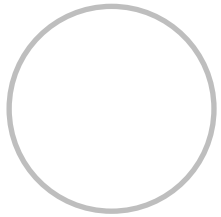
Emplacement spots (i.e., rim spots included in $^{206}Pb/^{238}U$ weighted mean age).



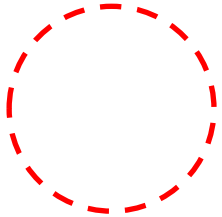
Antecrystic cores (i.e., core spots older and outwith the confidence interval of the weighted mean emplacement age)



Probable Pb loss core spots (i.e., core spots falling younger than and within confidence interval of emplacement age)



Rejected spots due to probable Pb loss, common Pb or incorrect age relationships (i.e., core younger than rim)



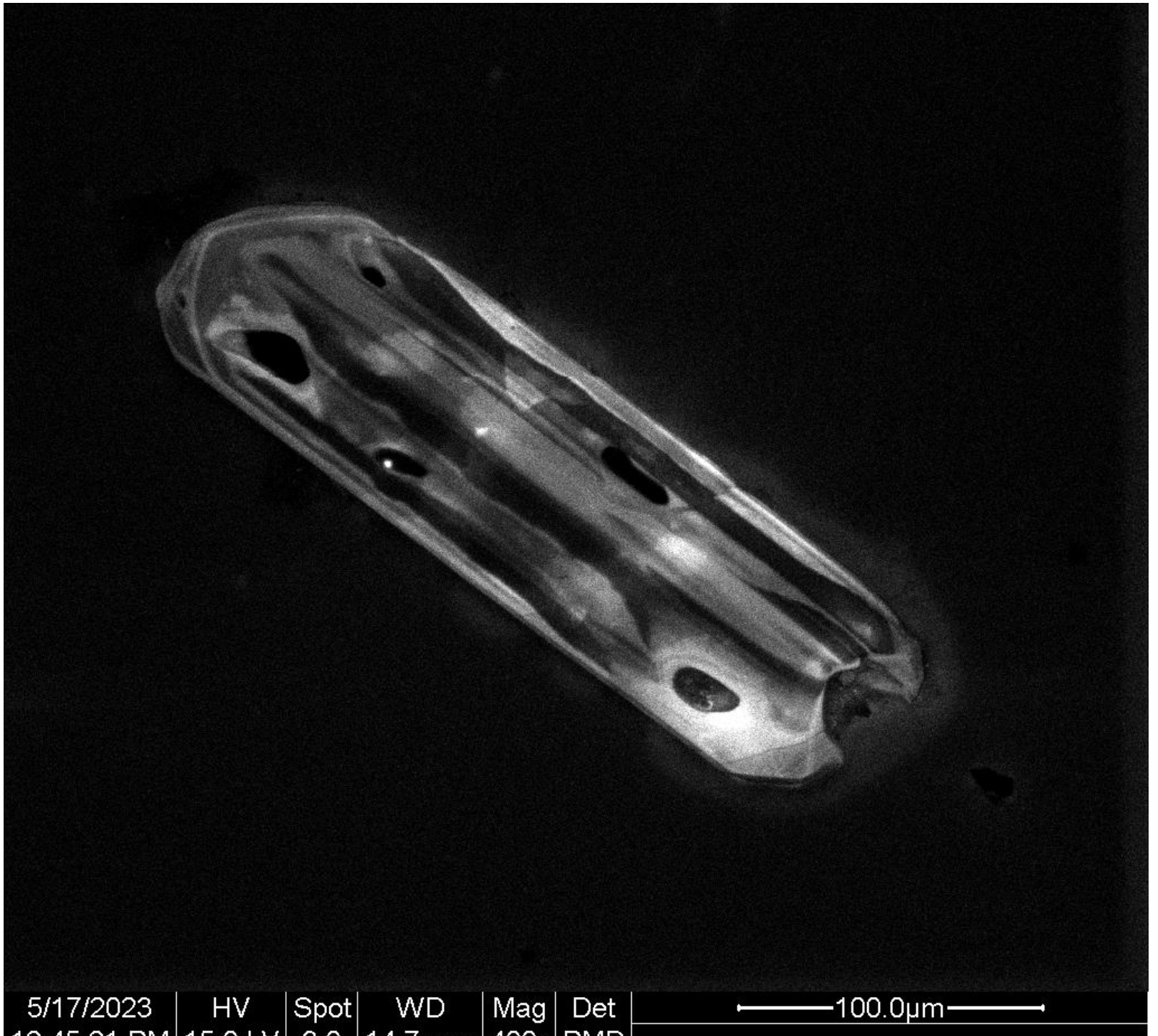
Potential trace element spots for future analysis

NA = not analysed because grains are too fractured and/or too small and/or too altered etc.

Spot colours correlate to cores, rims, xenocrysts and rejected spots on the associated SM-02 concordia and weighted mean plot (Figure 4.6 in text).

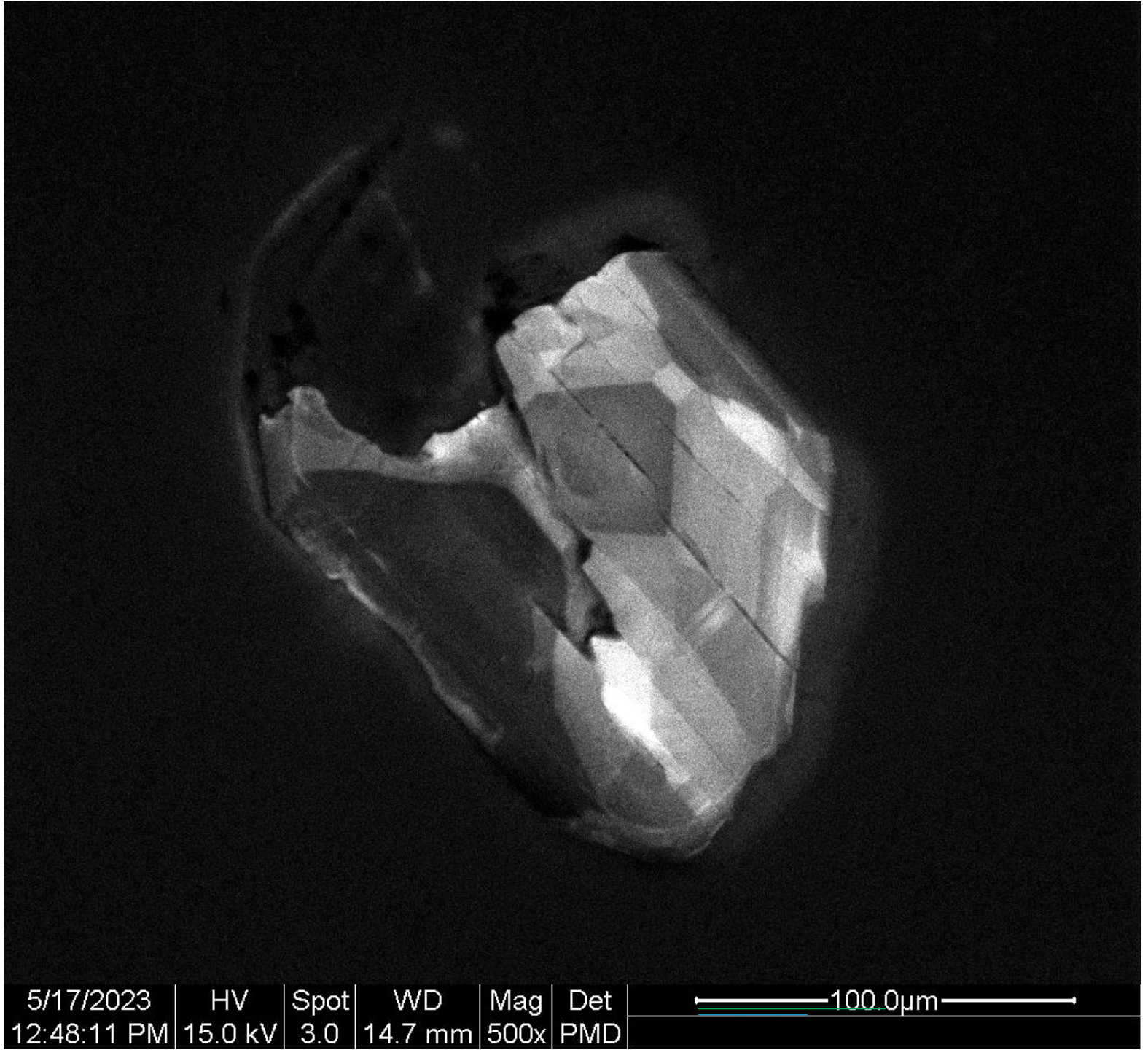
CM22SM02-CL_001.tif

Grain is too messy/altered and hard to distinguish between any zones.



CM22SM02-CL_002.tif

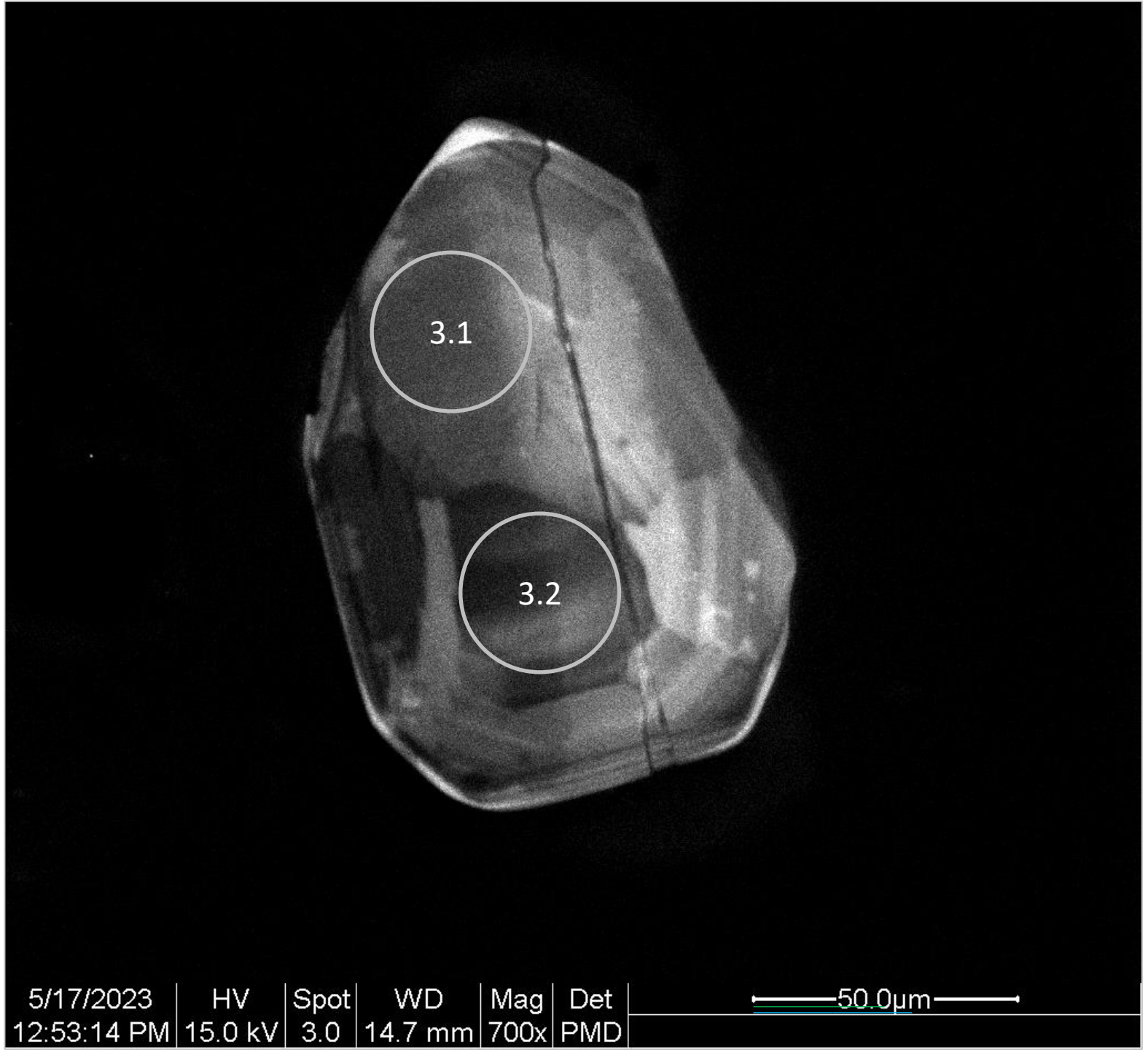
NA



CM22SM02-CL_003.tif

2x U-Pb

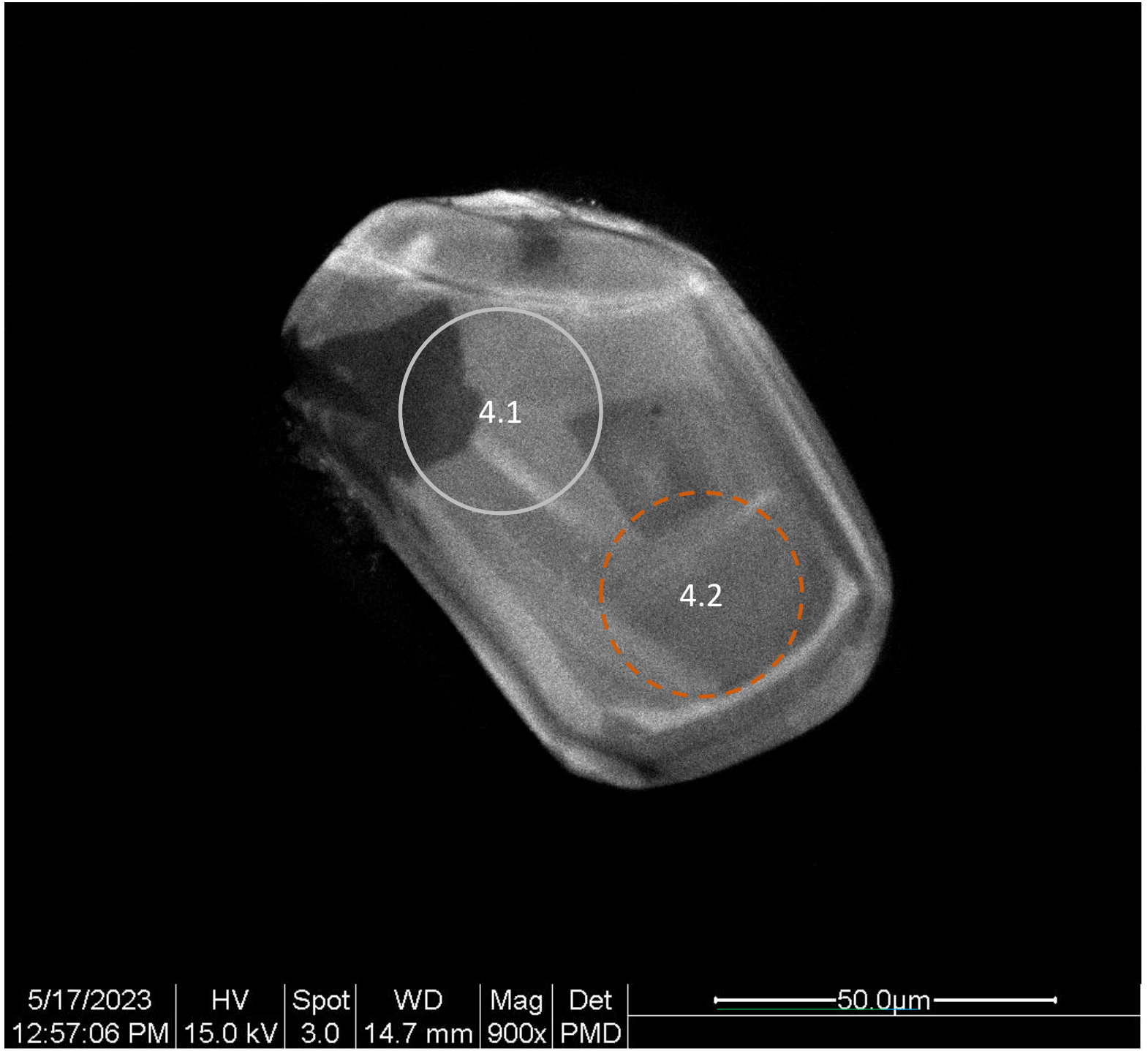
3.1, 3.2



CM22SM02-CL_004.tif

2x U-Pb

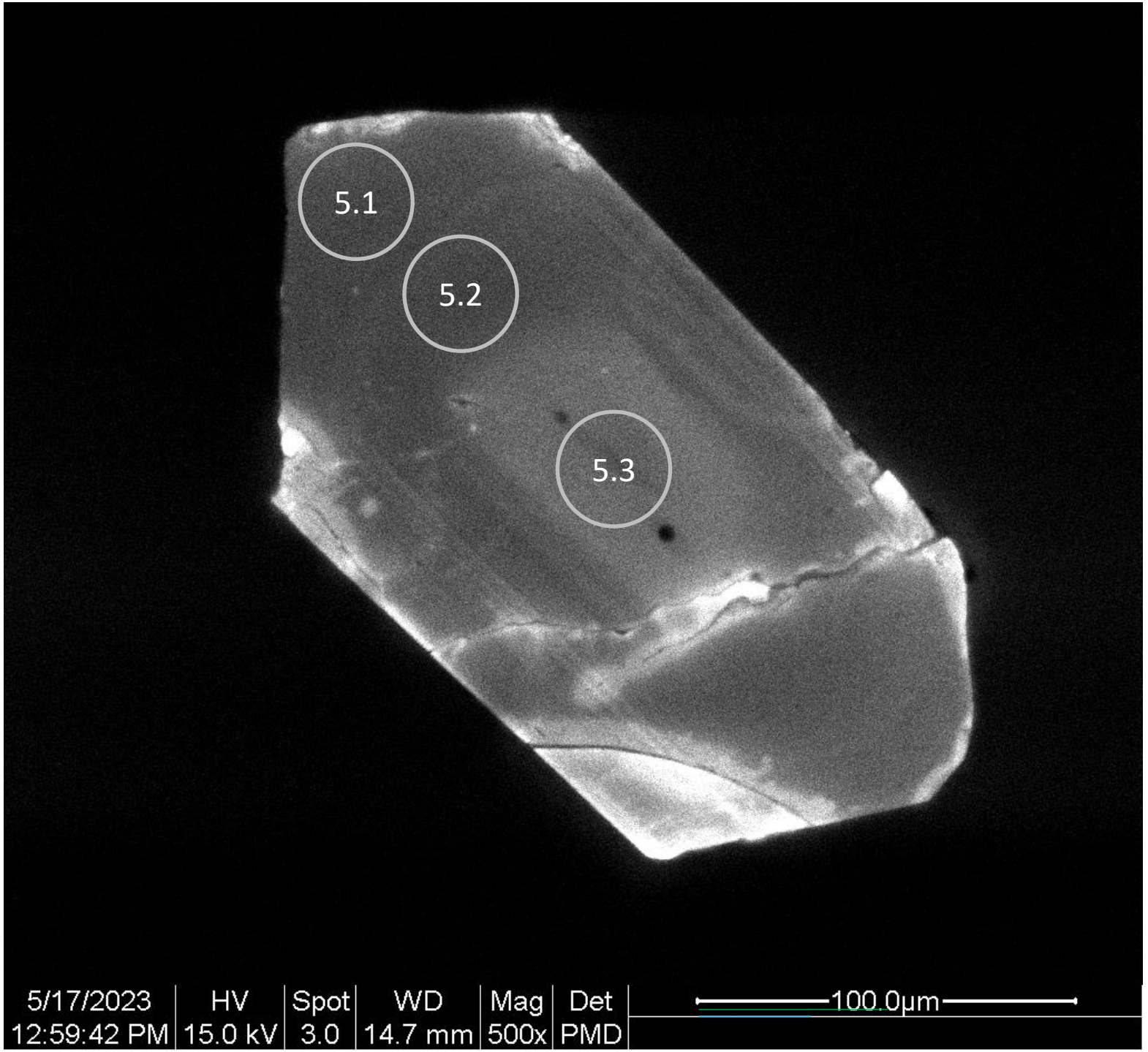
4.1, 4.2



CM22SM02-CL_005.tif

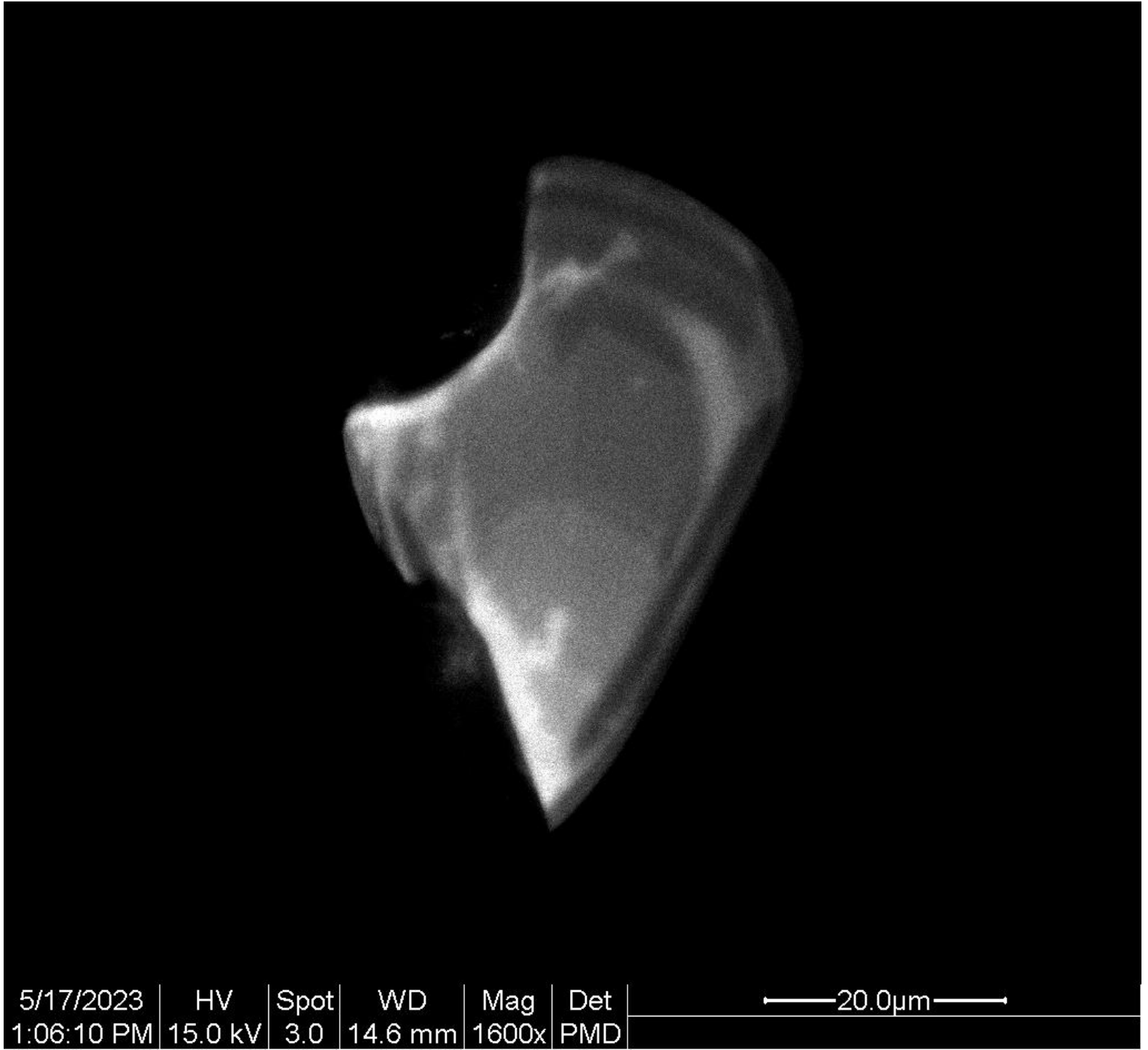
3x U-Pb

5.1, 5.2, 5.3



CM22SM02-CL_006.tif

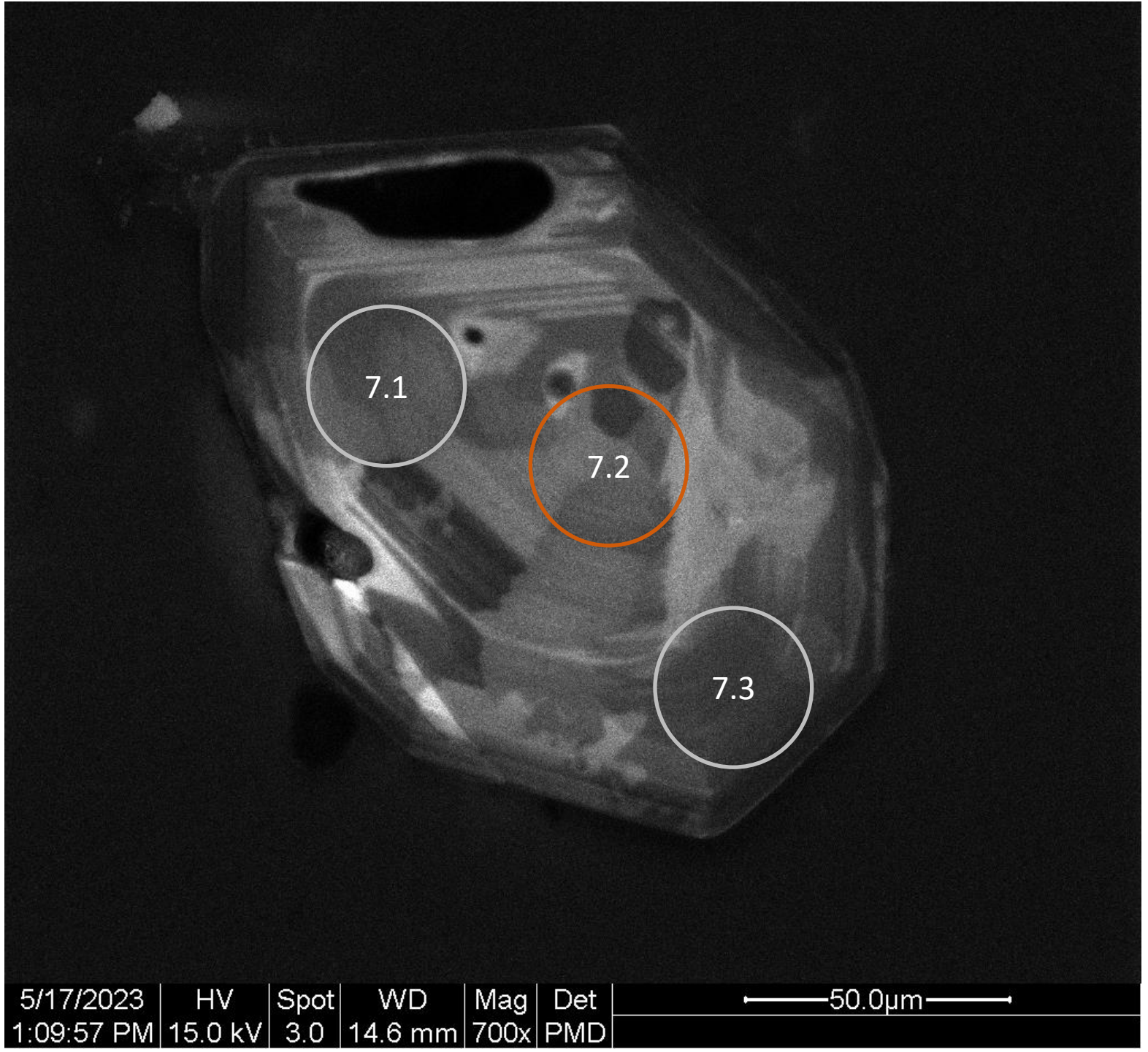
NA



CM22SM02-CL_007.tif

3x U-Pb

7.1, 7.2, 7.3



CM22SM02-CL_008.tif

1x U-Pb

8.1



CM22SM02-CL_009.tif

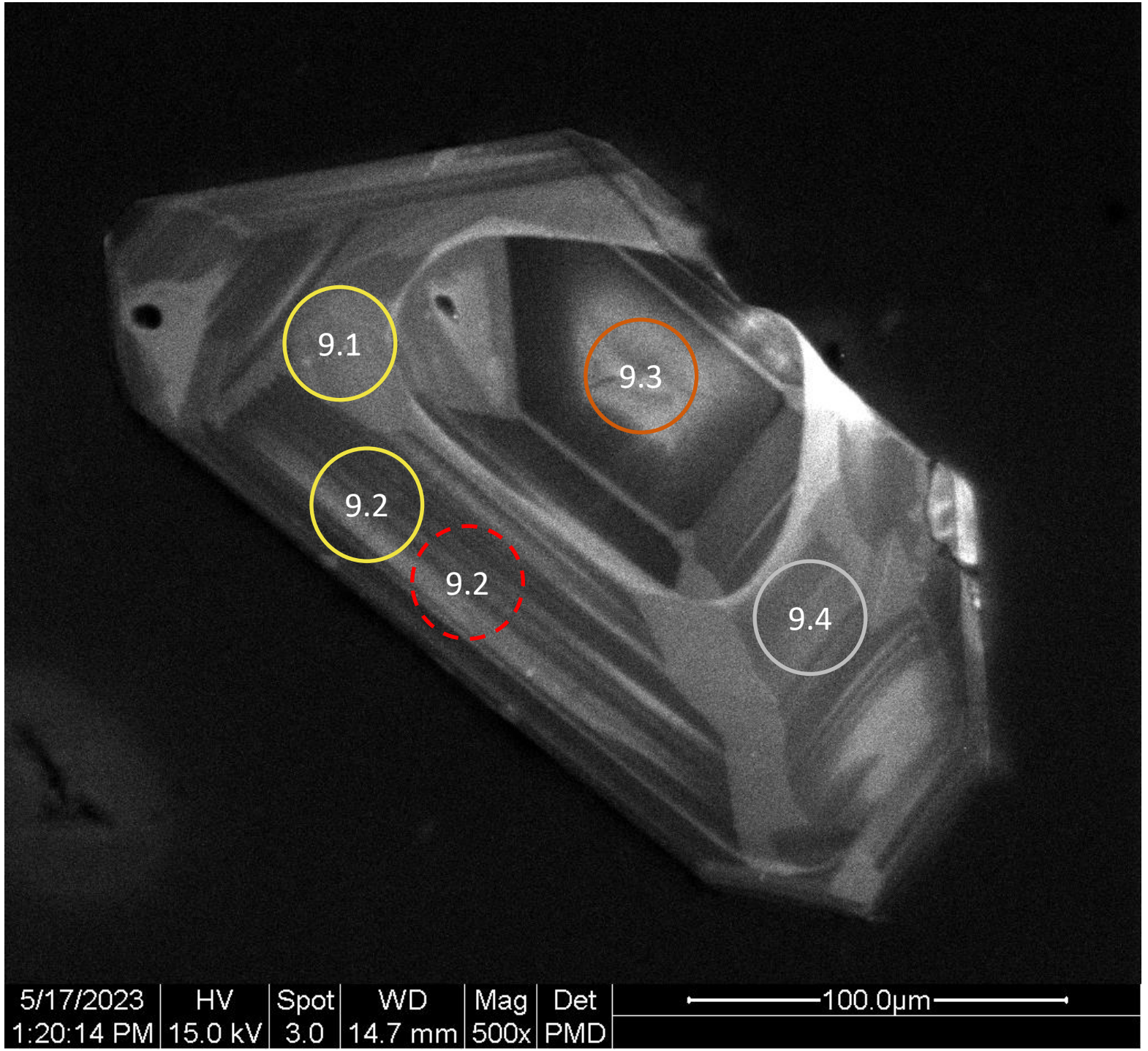
4x U-Pb

9.1, 9.2, 9.3, 9.4

1x TE

9.2

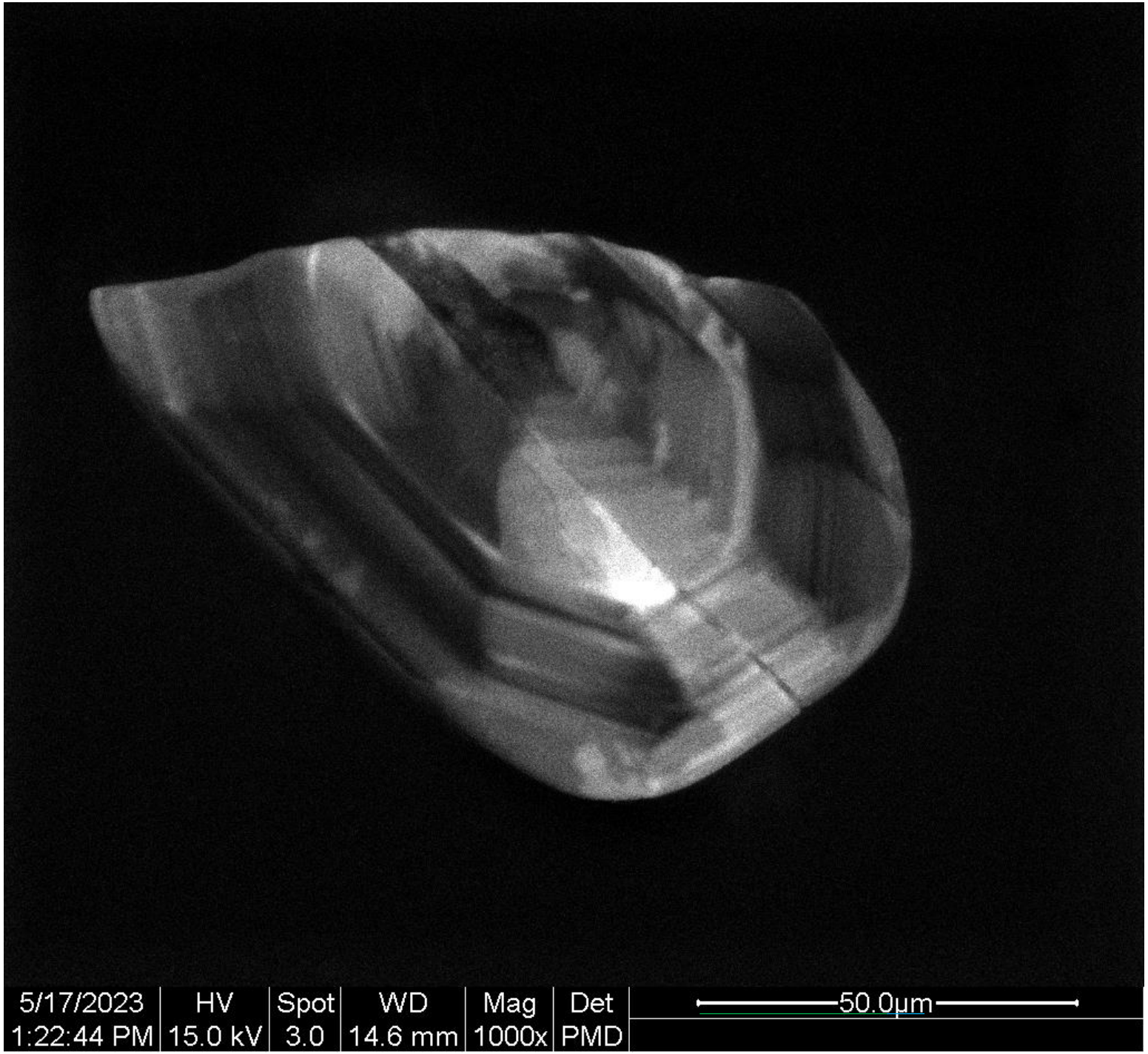
9.3 as oldest core/earliest zircon growth in SM-02 based on available data.



CM22SM02-CL_010.tif

NA

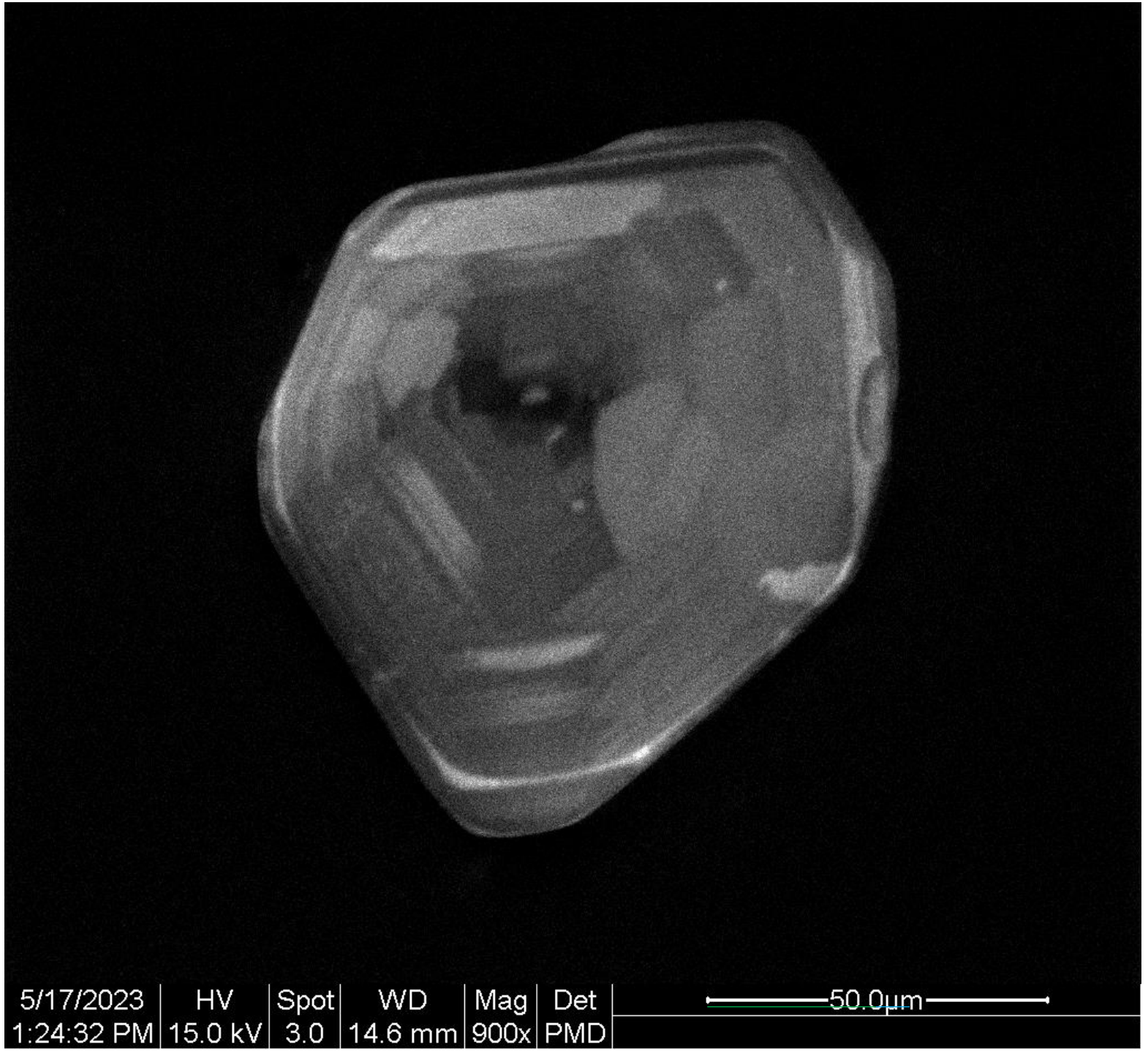
Fractured/zones too small for 30 micron laser spot.



CM22SM02-CL_011.tif

NA

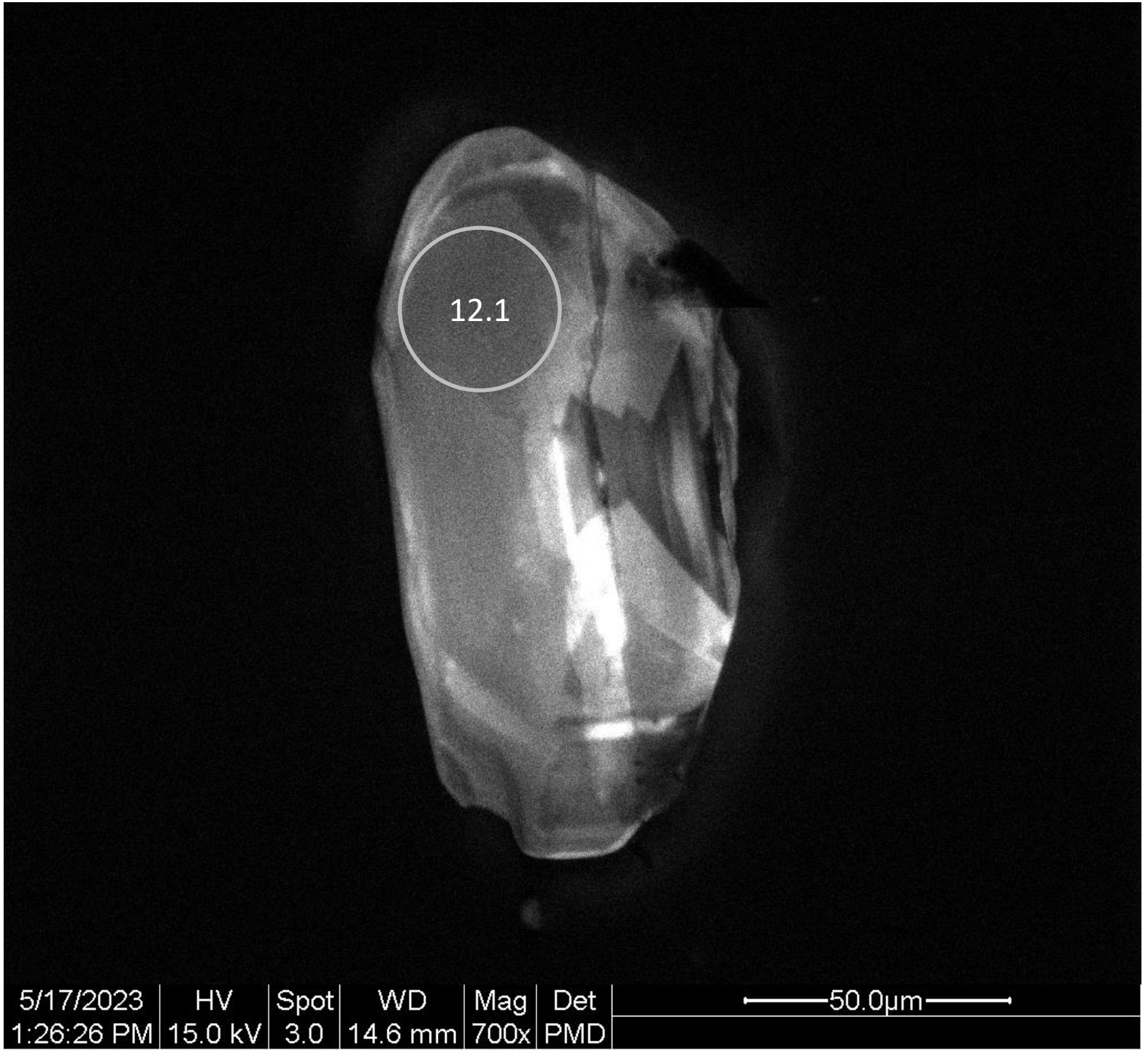
Zones too small for 30 micron laser spot.



CM22SM02-CL_012.tif

1x U-Pb

12.1



CM22SM02-CL_013.tif

1x U-Pb

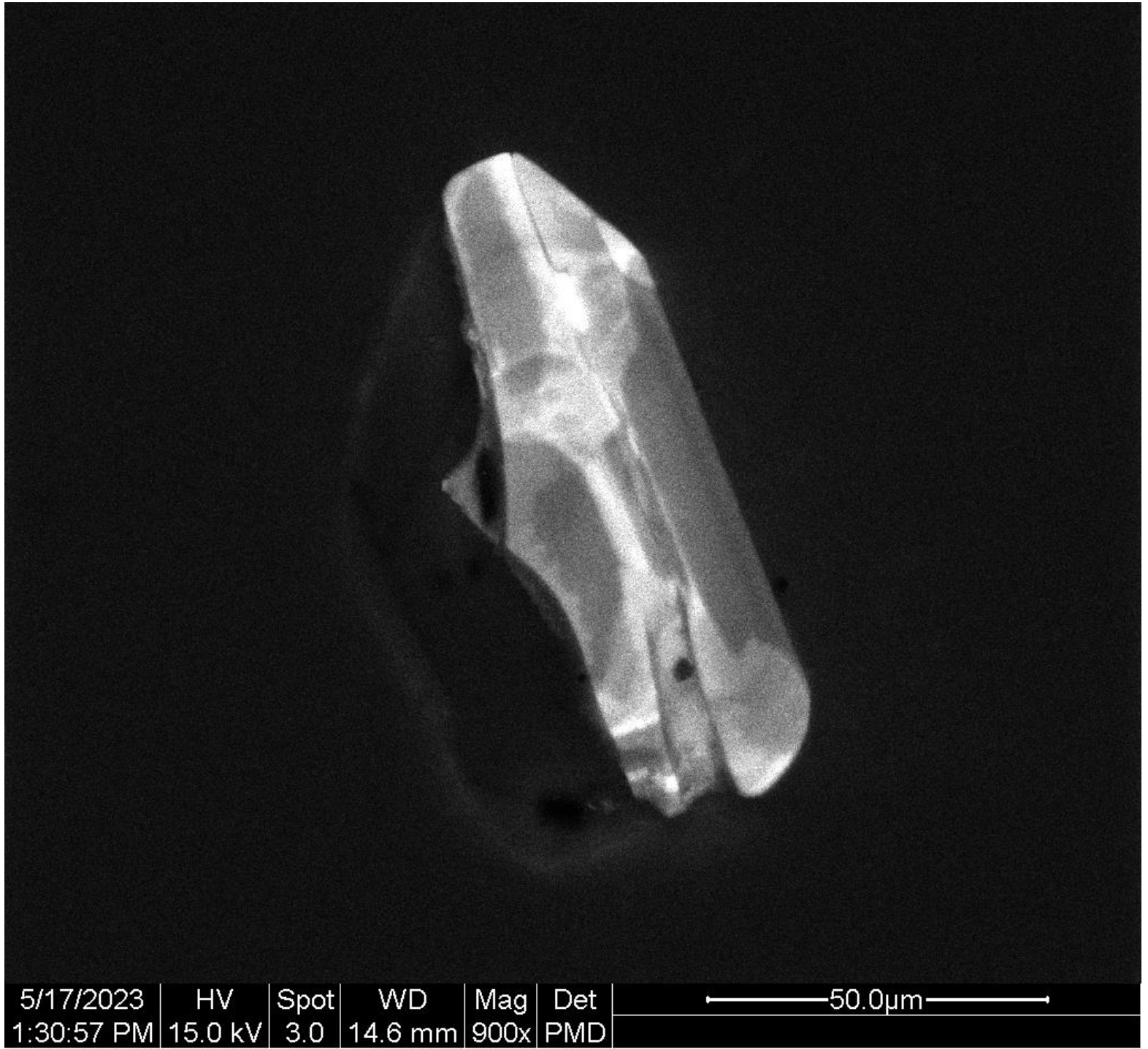
13.1



CM22SM02-CL_014.tif

NA

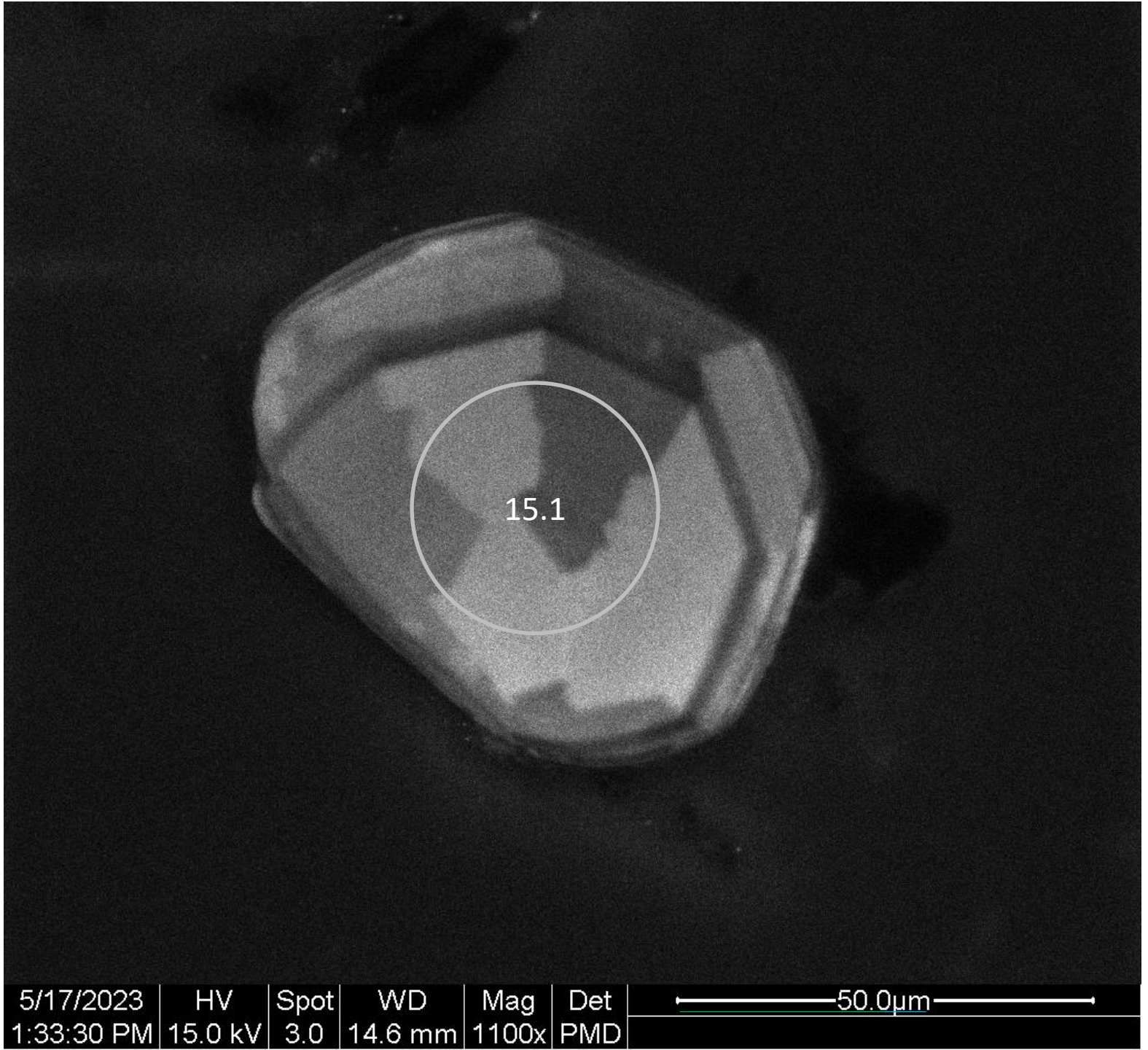
Too fractured/too small for laser spot.



CM22SM02-CL_015.tif

1x U-Pb

15.1



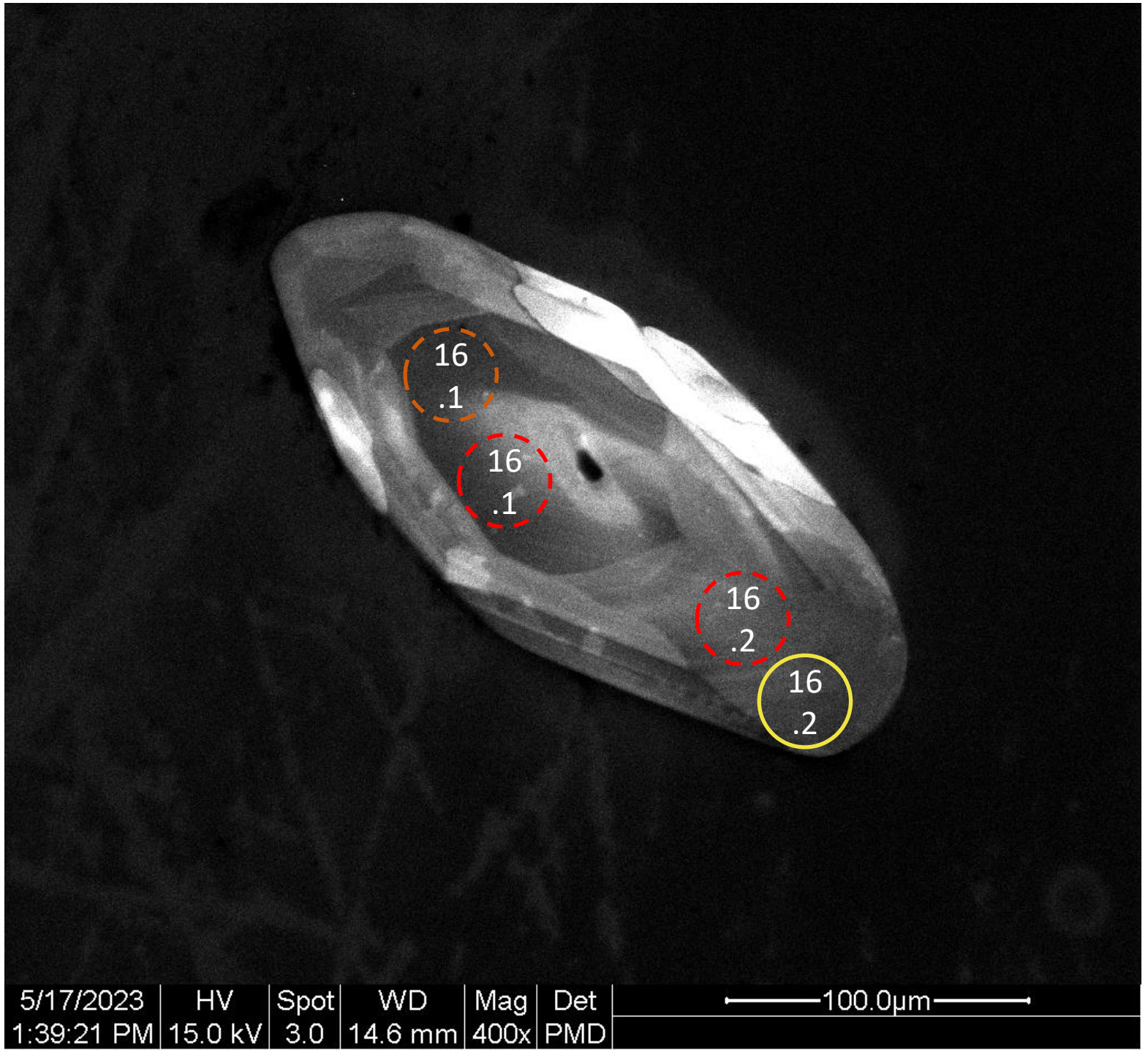
CM22SM02-CL_016.tif

2x U-Pb

16.1, 16.2

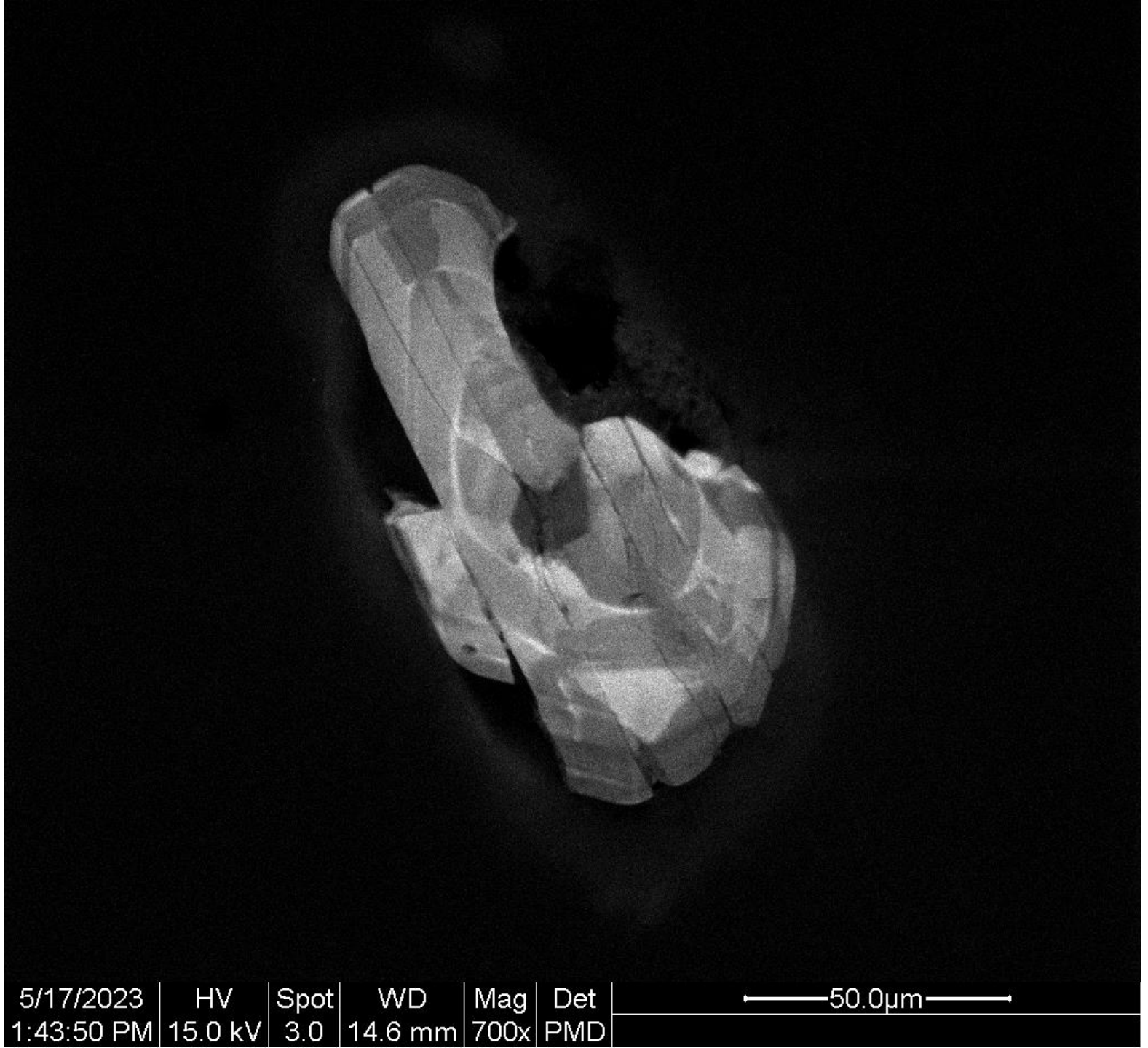
2x TE

16.1, 16.2



CM22SM02-CL_017.tif

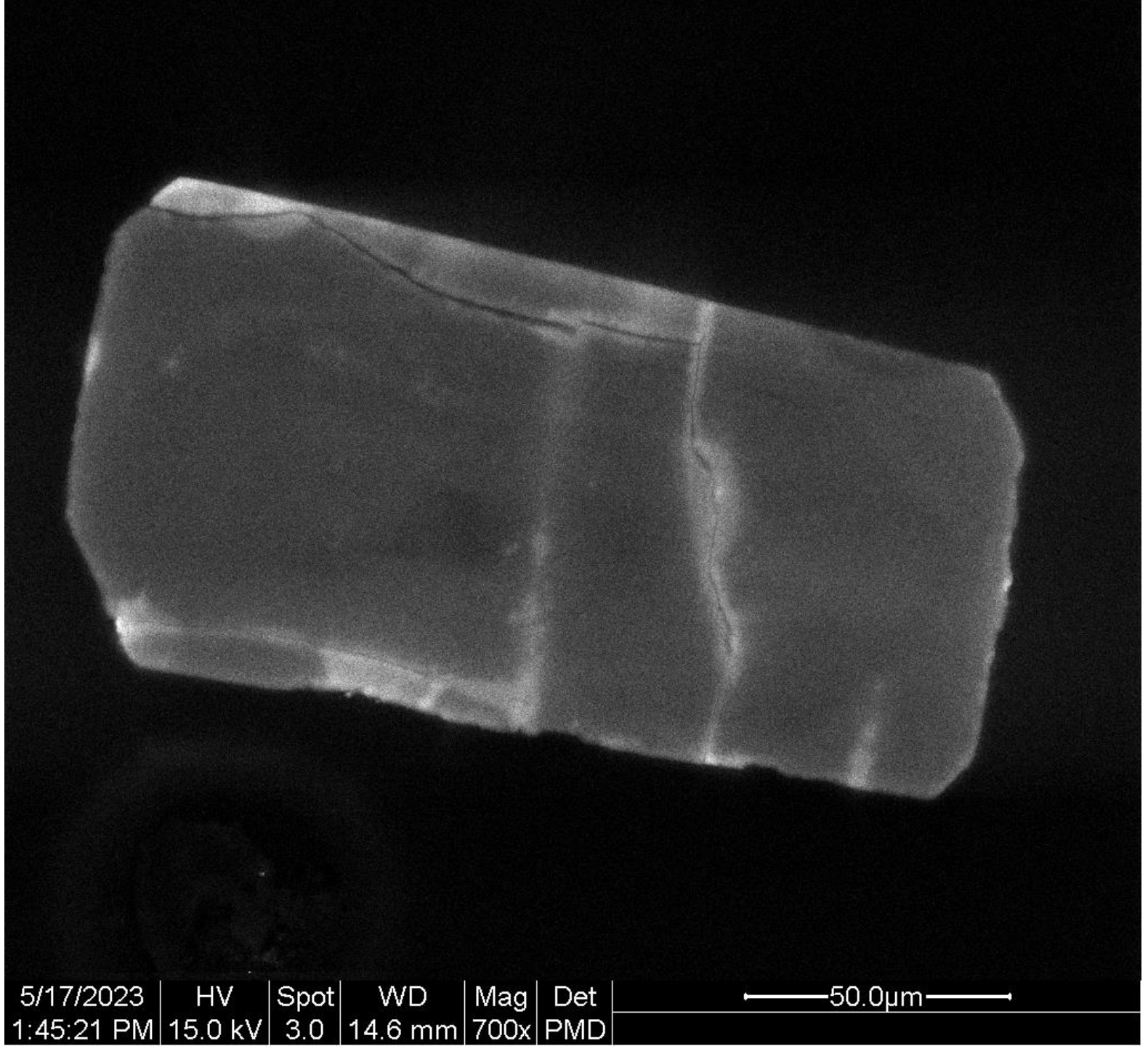
No analysis. Too fractured/too much of the zircon missing.



CM22SM02-CL_018.tif

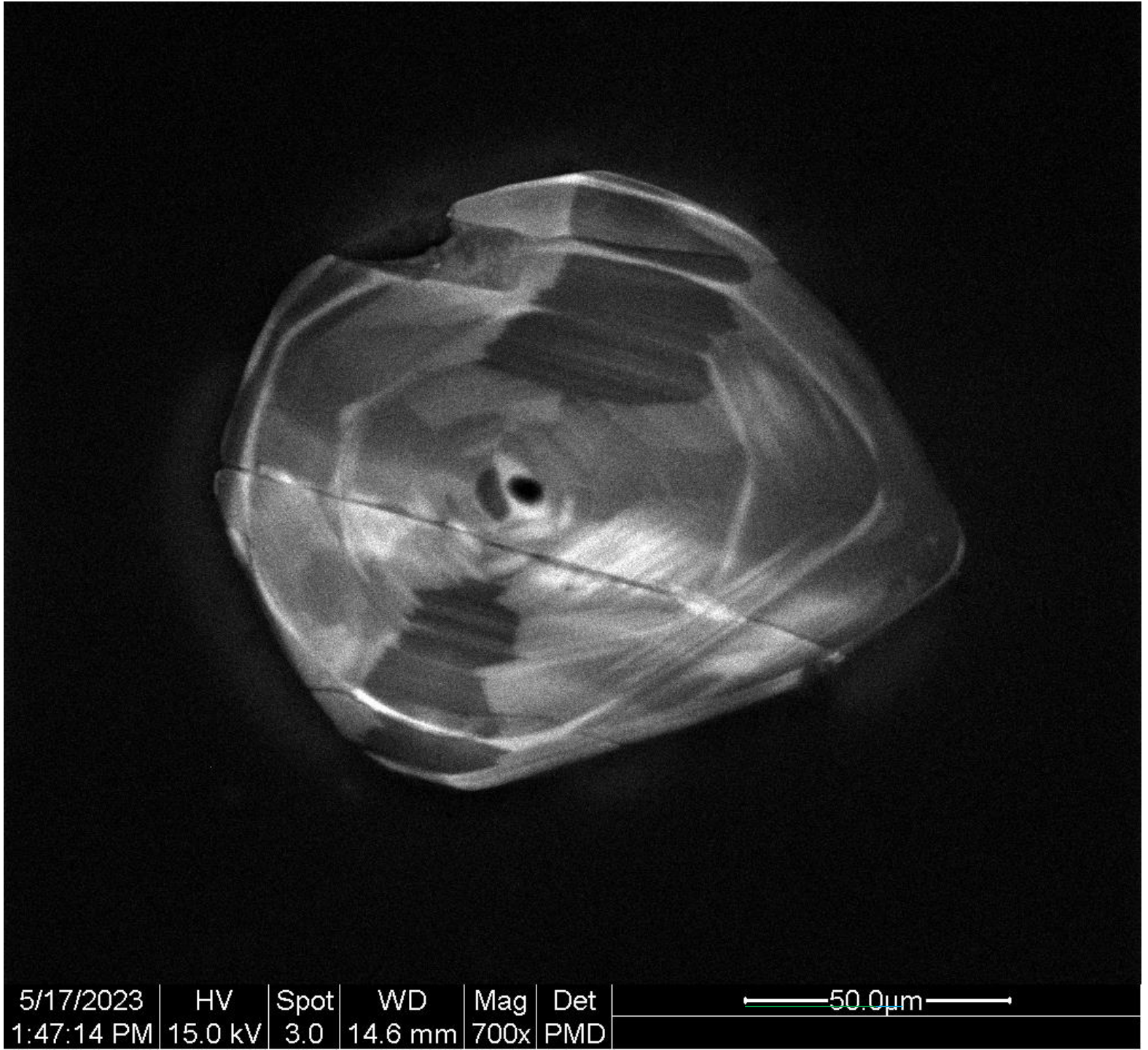
NA

Possibly apatite?



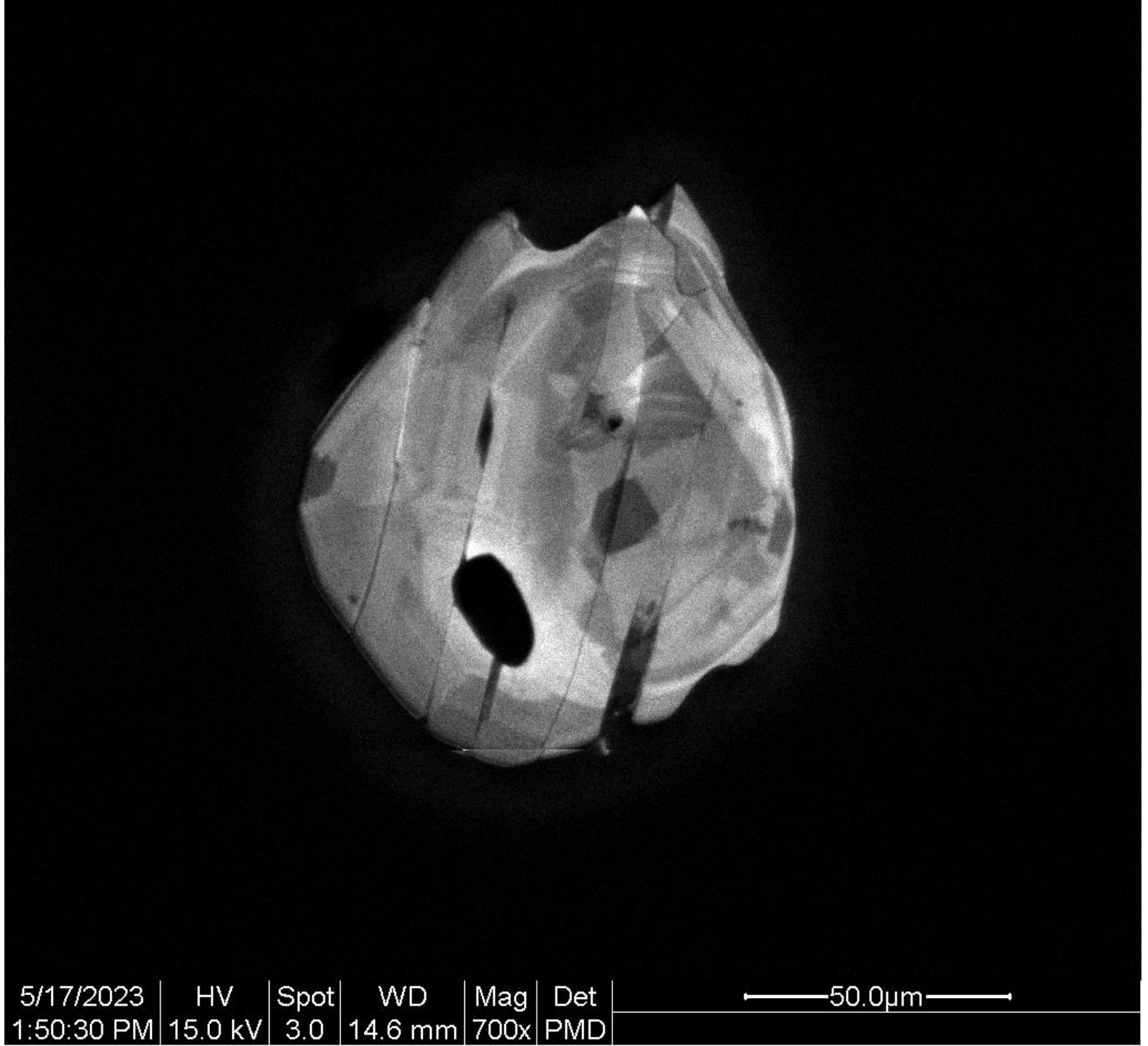
CM22SM02-CL_019.tif

No analysis. Zones too small and lots of overlapping/cross-cutting zones.



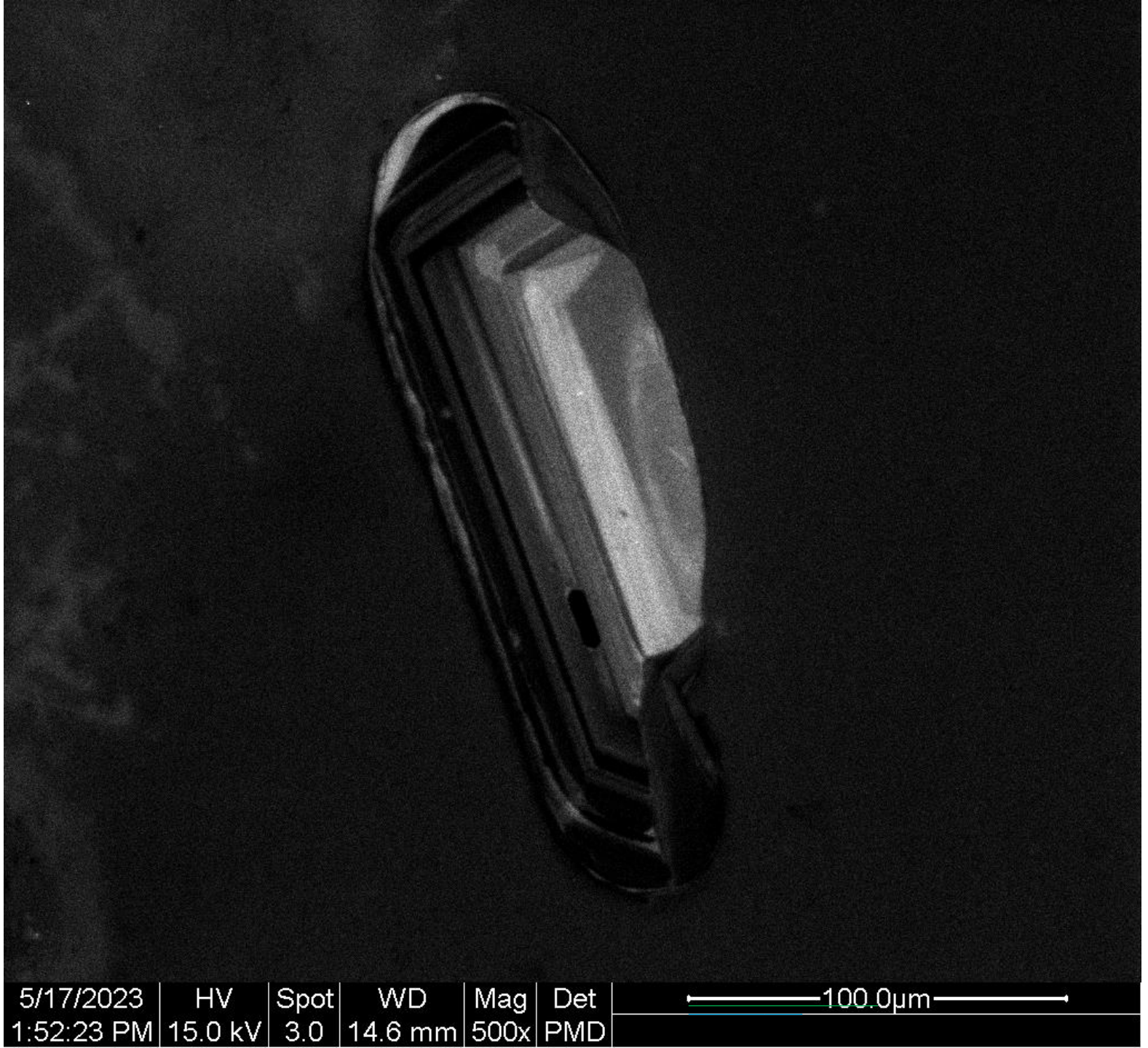
CM22SM02-CL_020.tif

No analysis. Too fractured.



CM22SM02-CL_021.tif

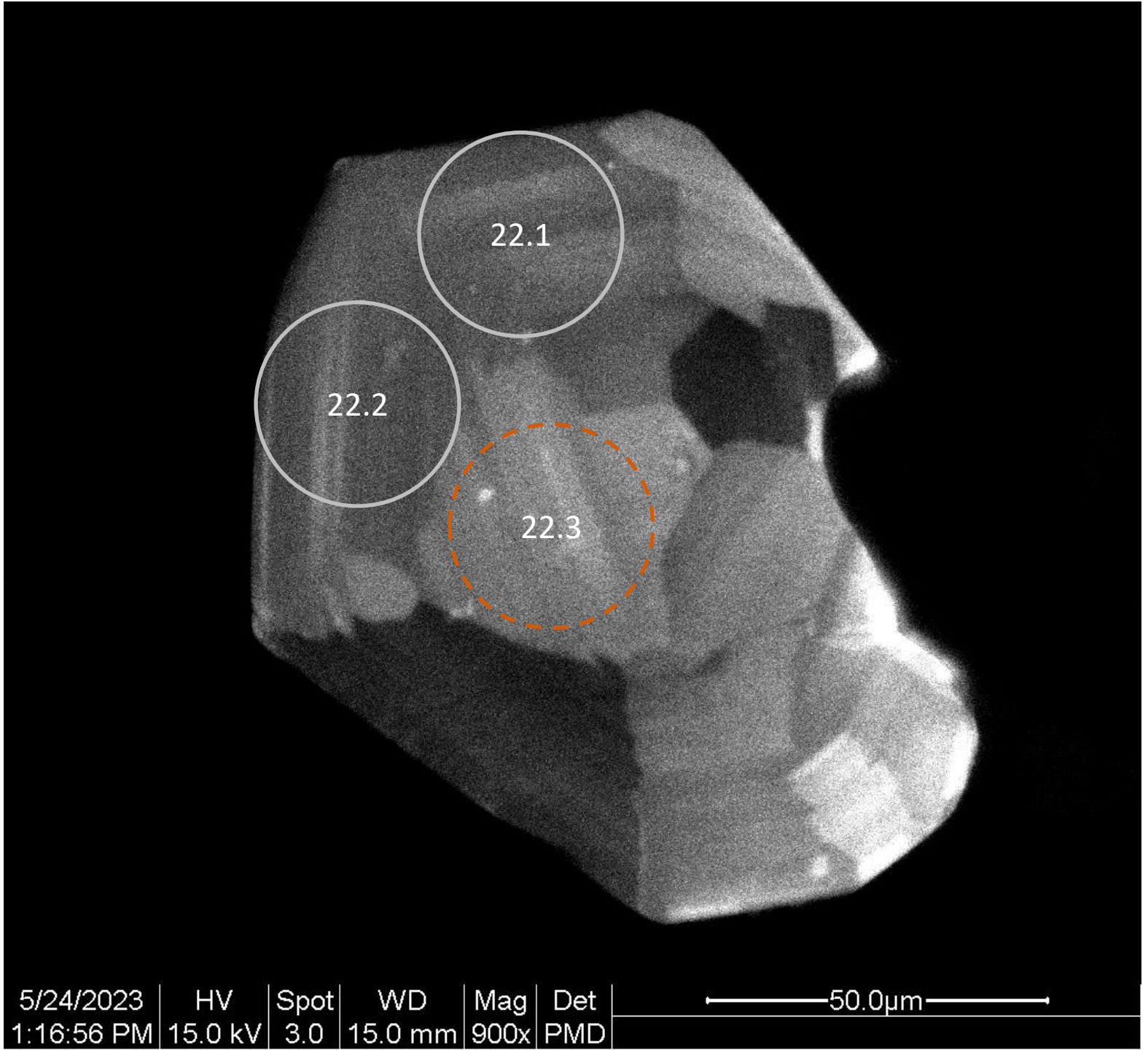
No analysis. Zones are too small for laser spot.



CM22SM02-CL_022.tif

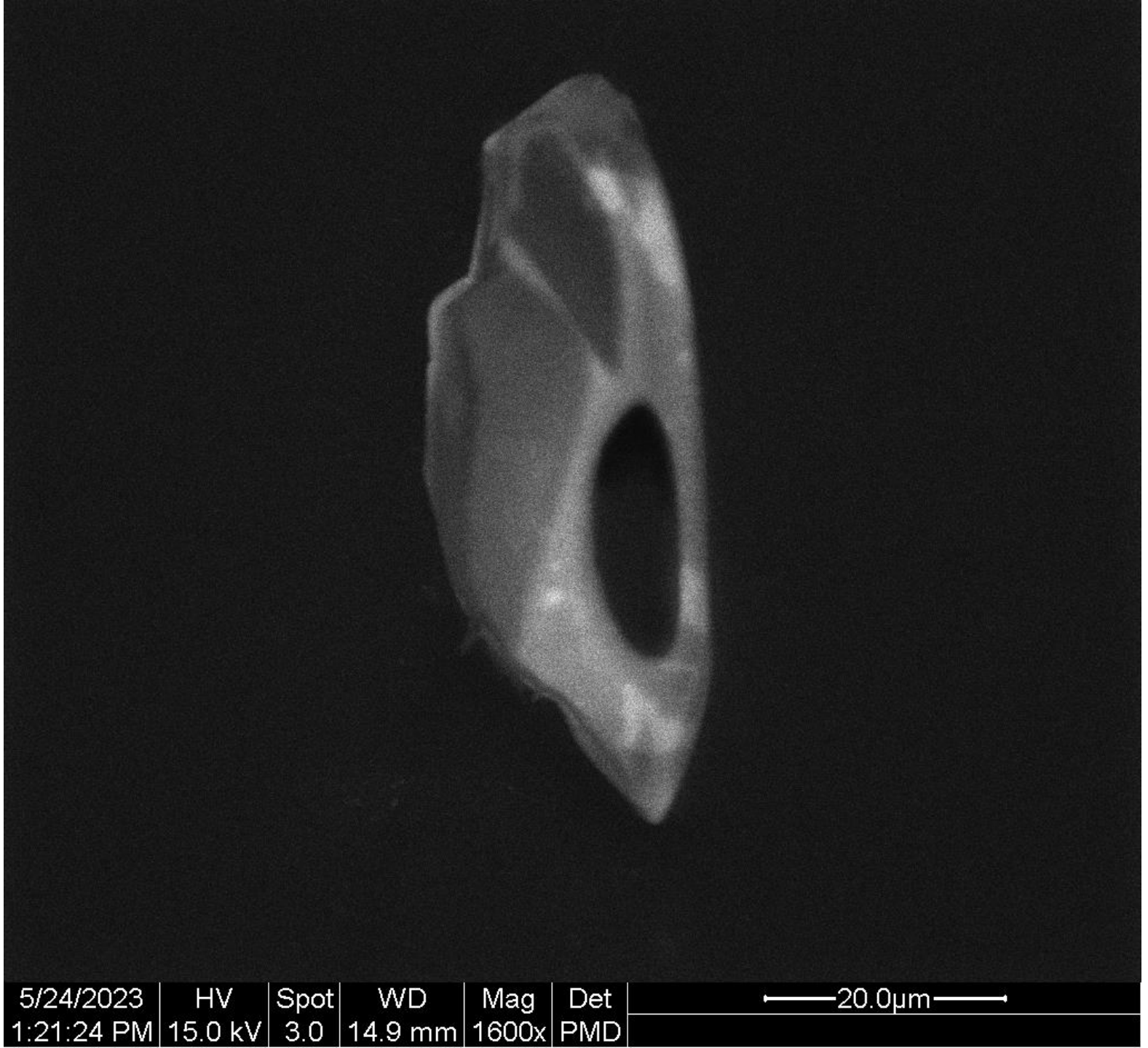
3x U-Pb

22.1, 22.2, 22.3



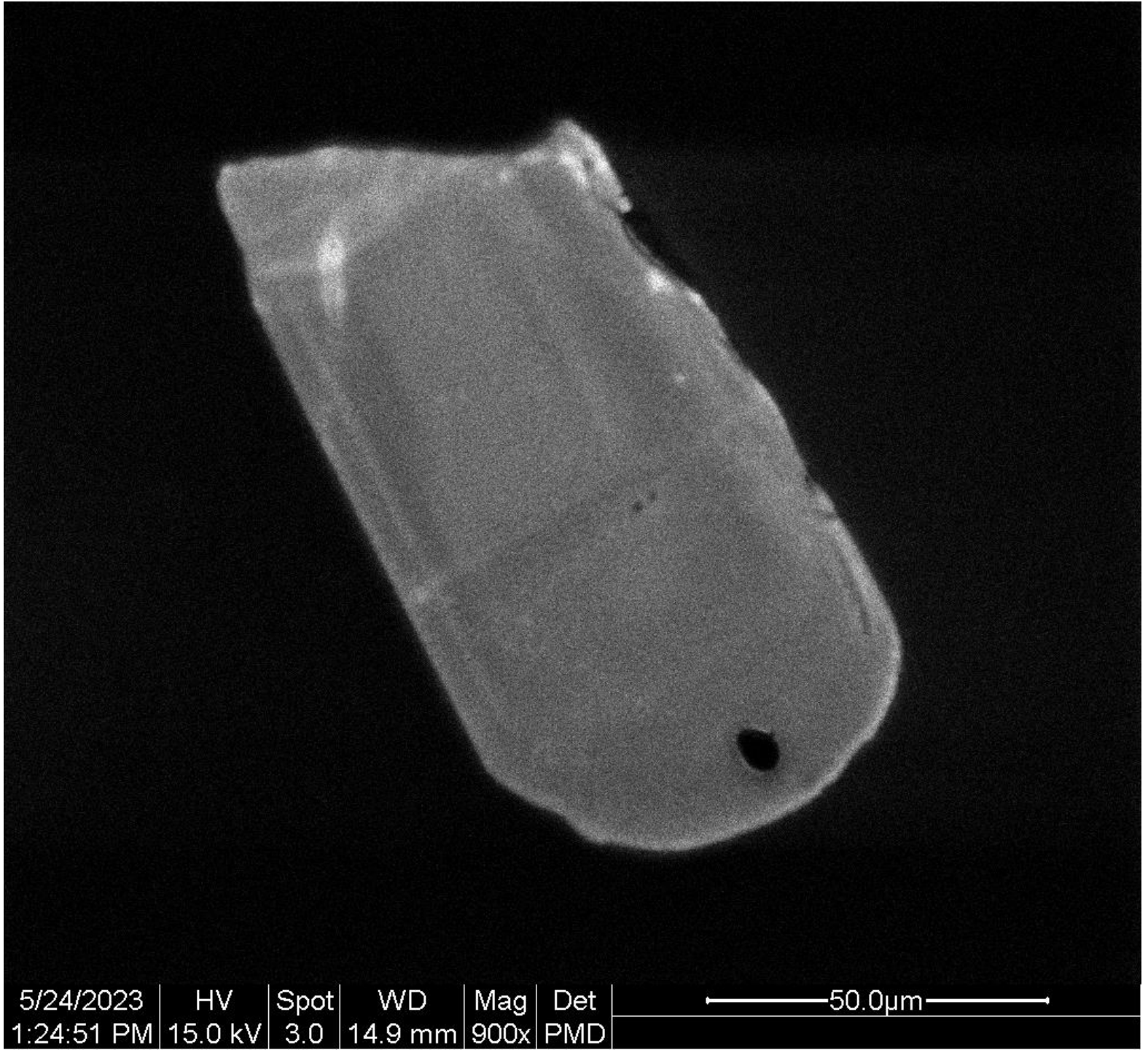
CM22SM02-CL_023.tif

No analysis. Too small.



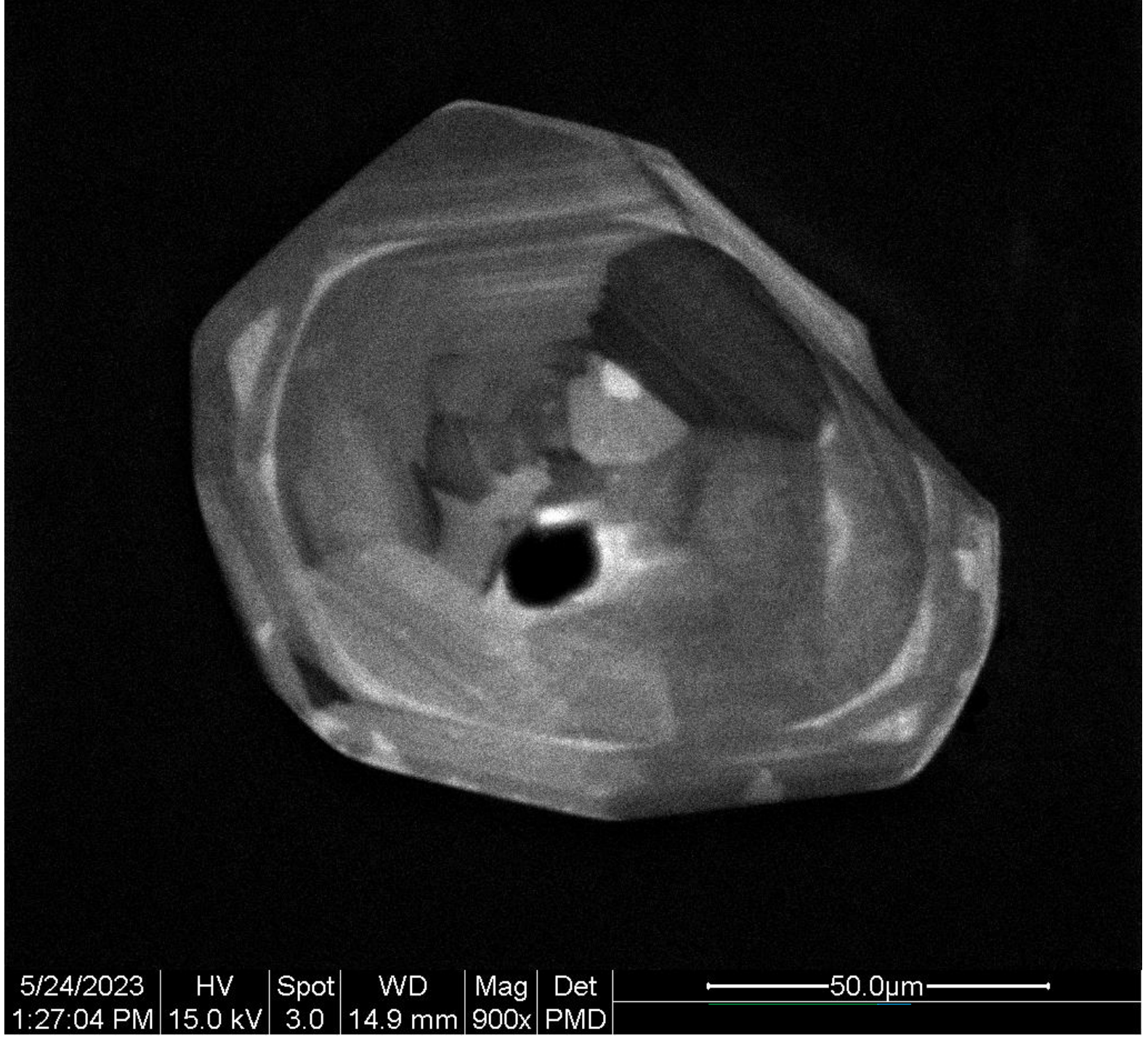
CM22SM02-CL_024.tif

No analysis.
Apatite?



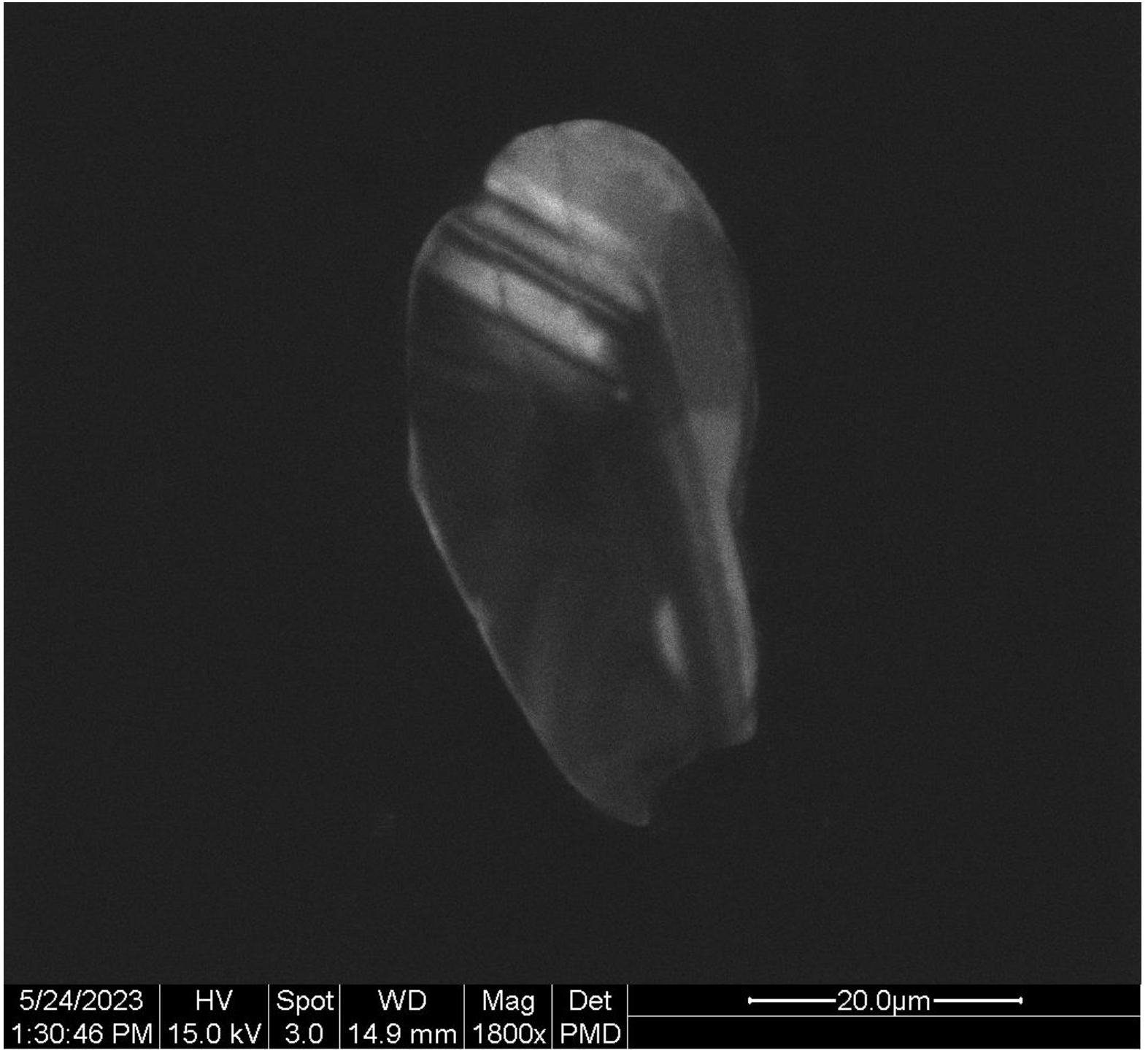
CM22SM02-CL_025.tif

No analysis. Zones too small & lots of overlapping/cross cutting zones.



CM22SM02-CL_026.tif

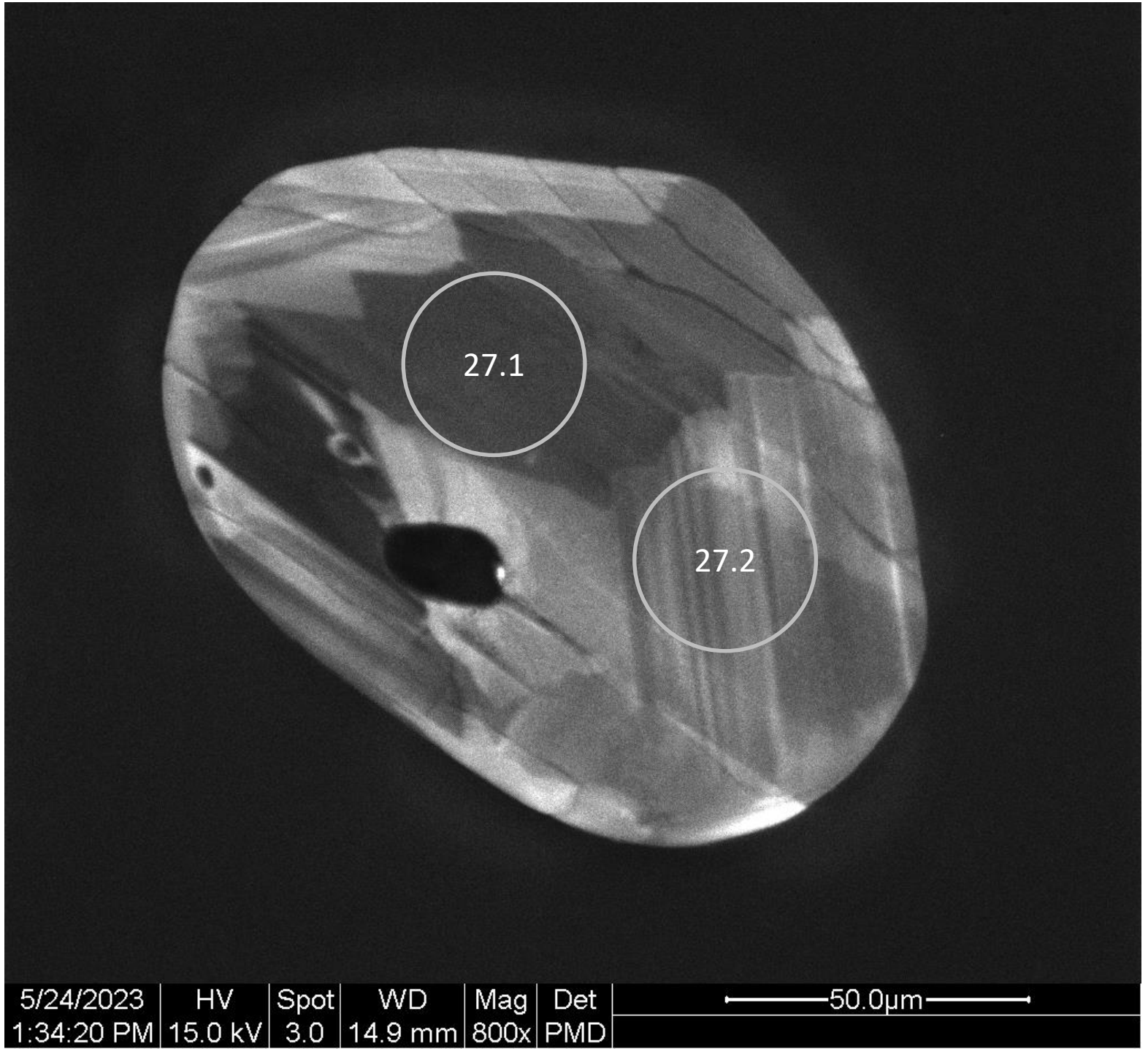
No analysis. Grain too small.



CM22SM02-CL_027.tif

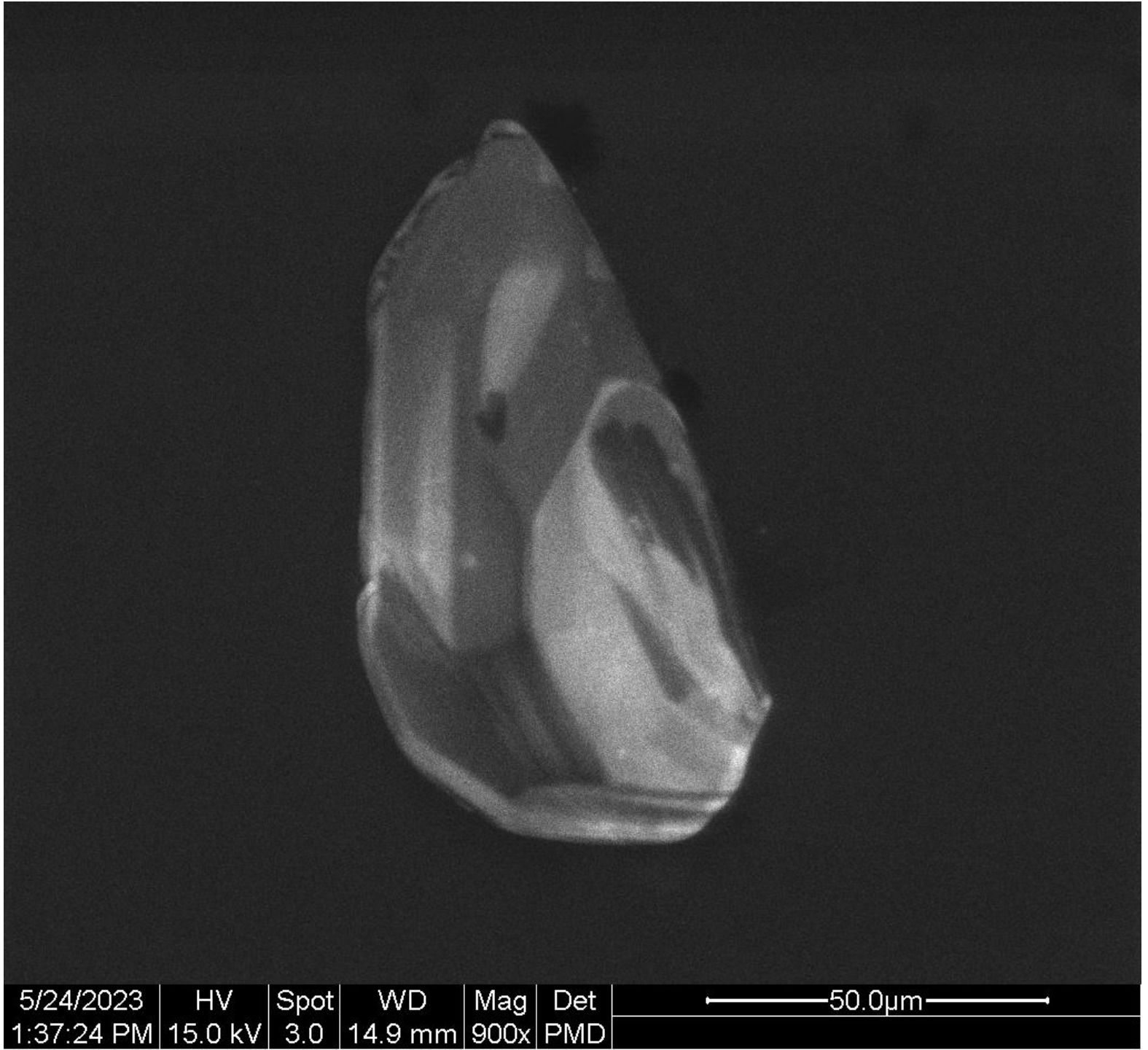
2x U-Pb

27.1, 27.2



CM22SM02-CL_028.tif

No analysis. Zones are too small.



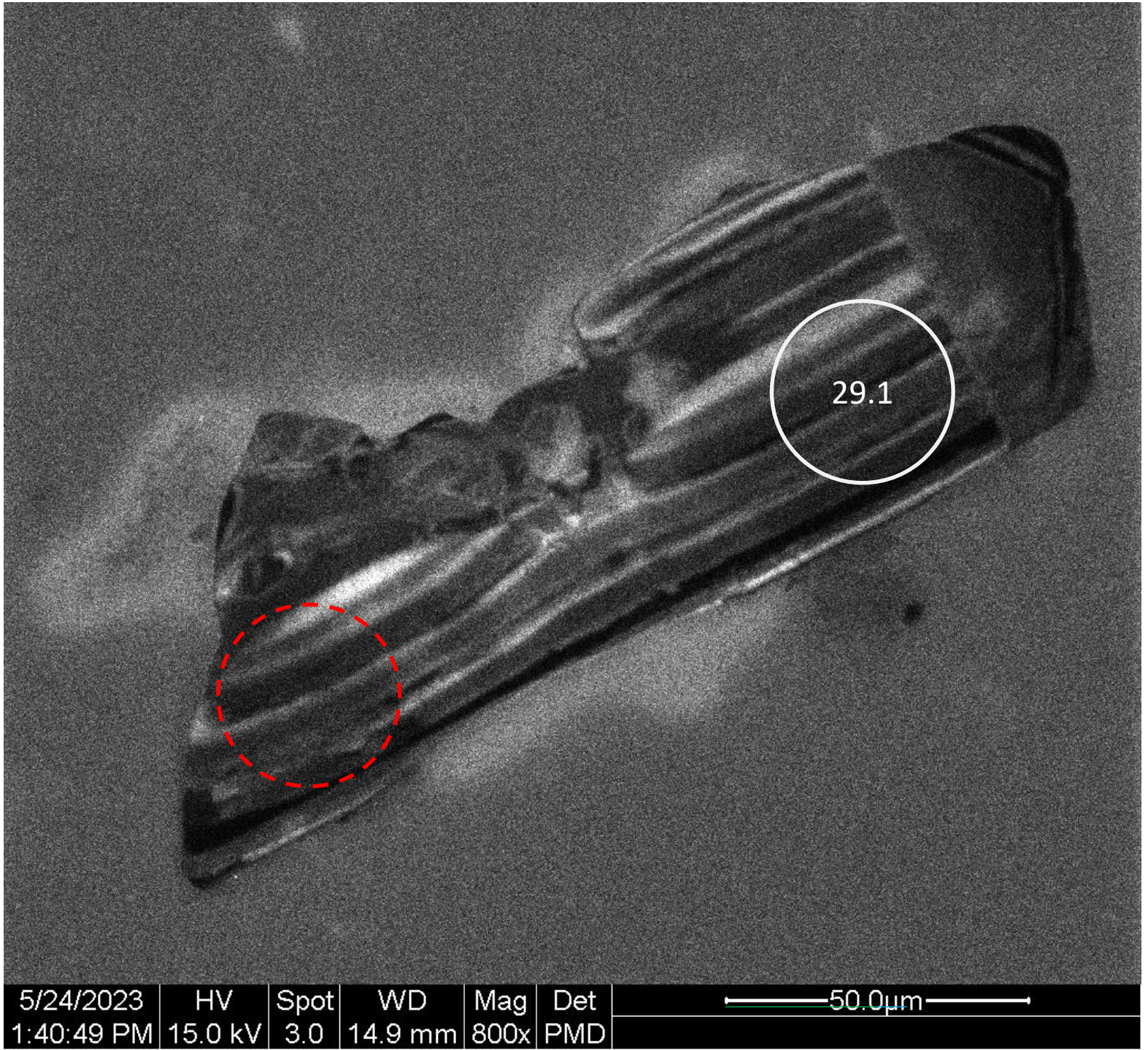
CM22SM02-CL_029.tif

1x U-Pb

29.1

1x TE

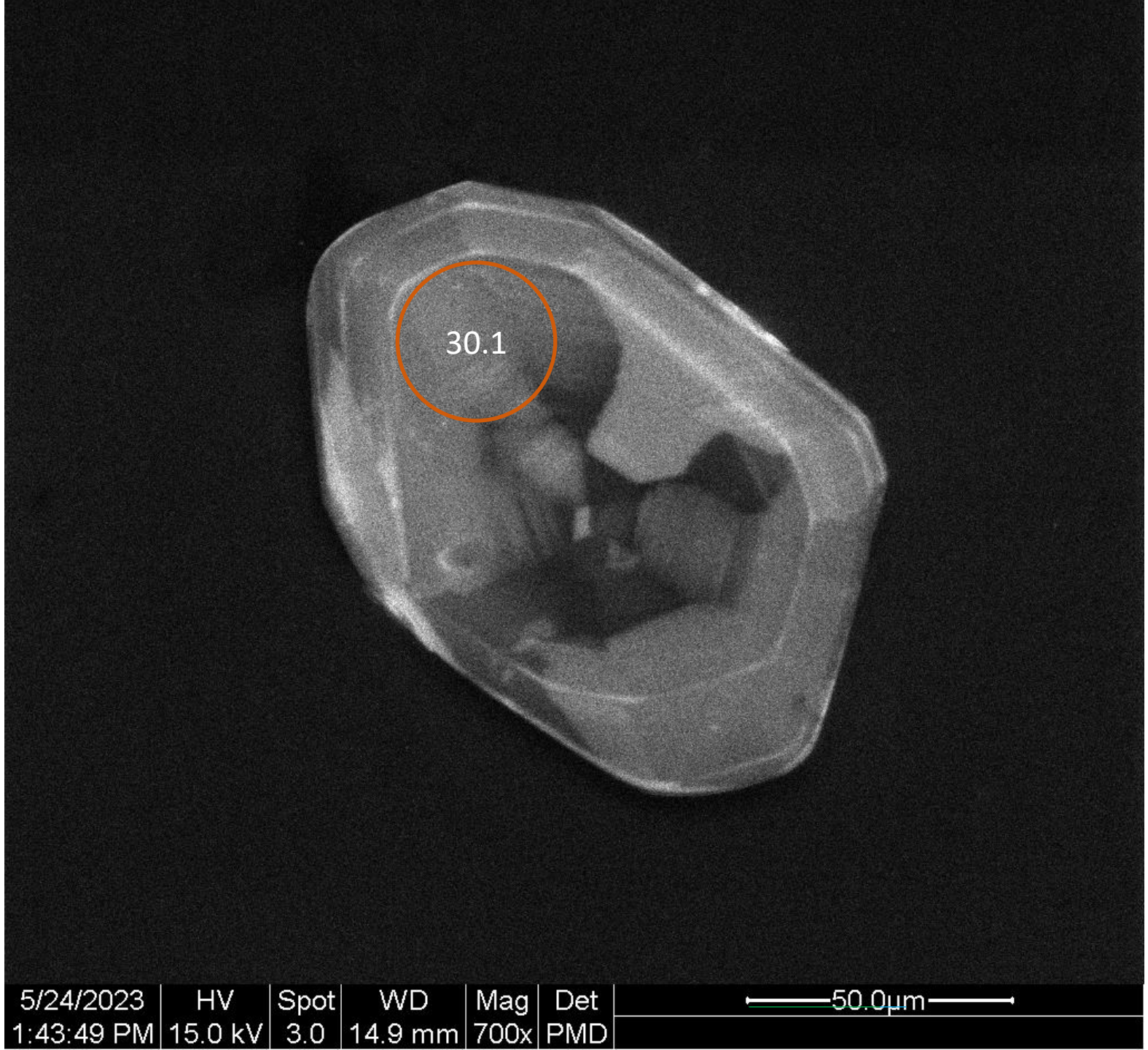
29.1



CM22SM02-CL_030.tif

1x U-Pb

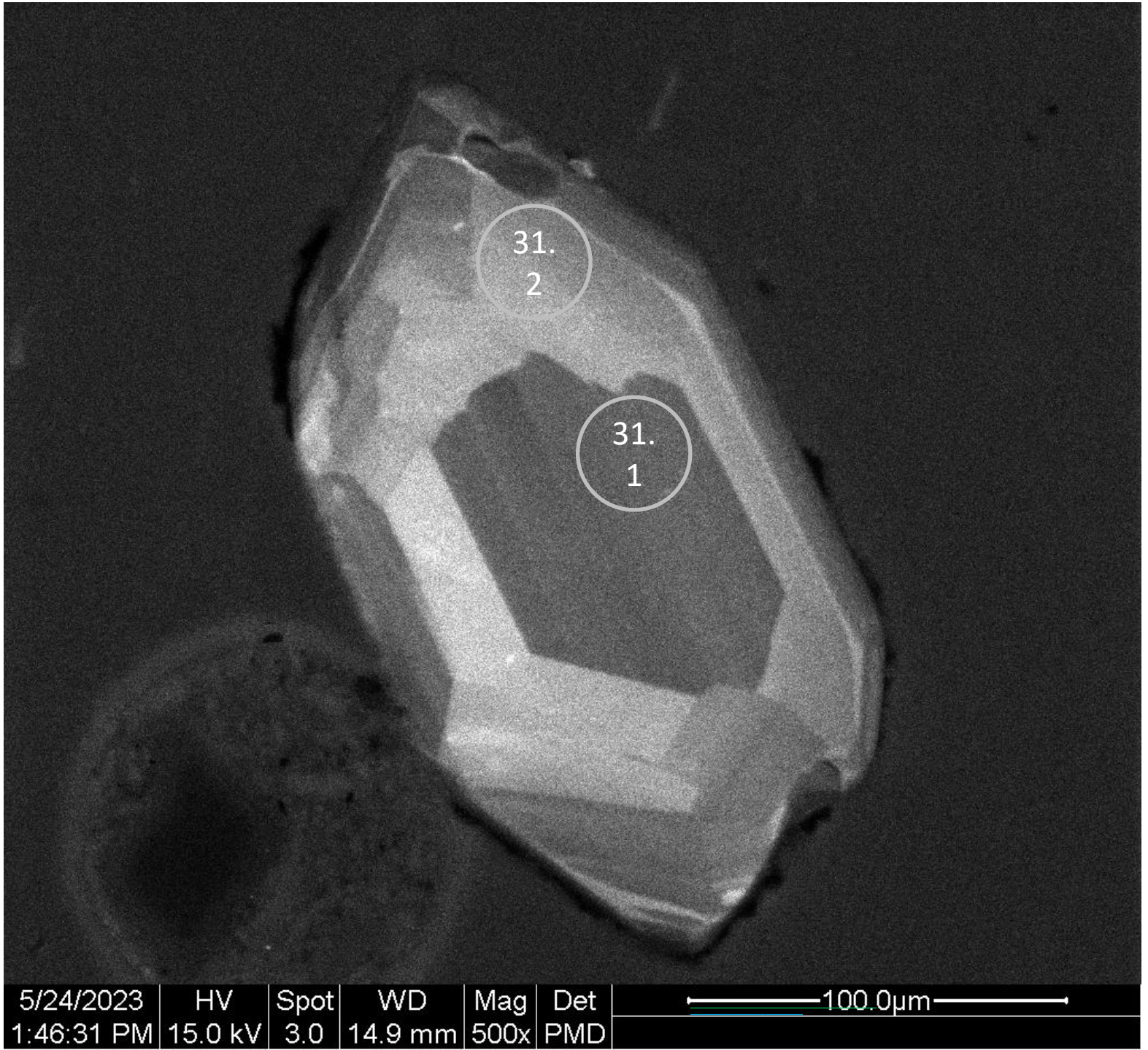
30.1



CM22SM02-CL_031.tif

2x U-Pb

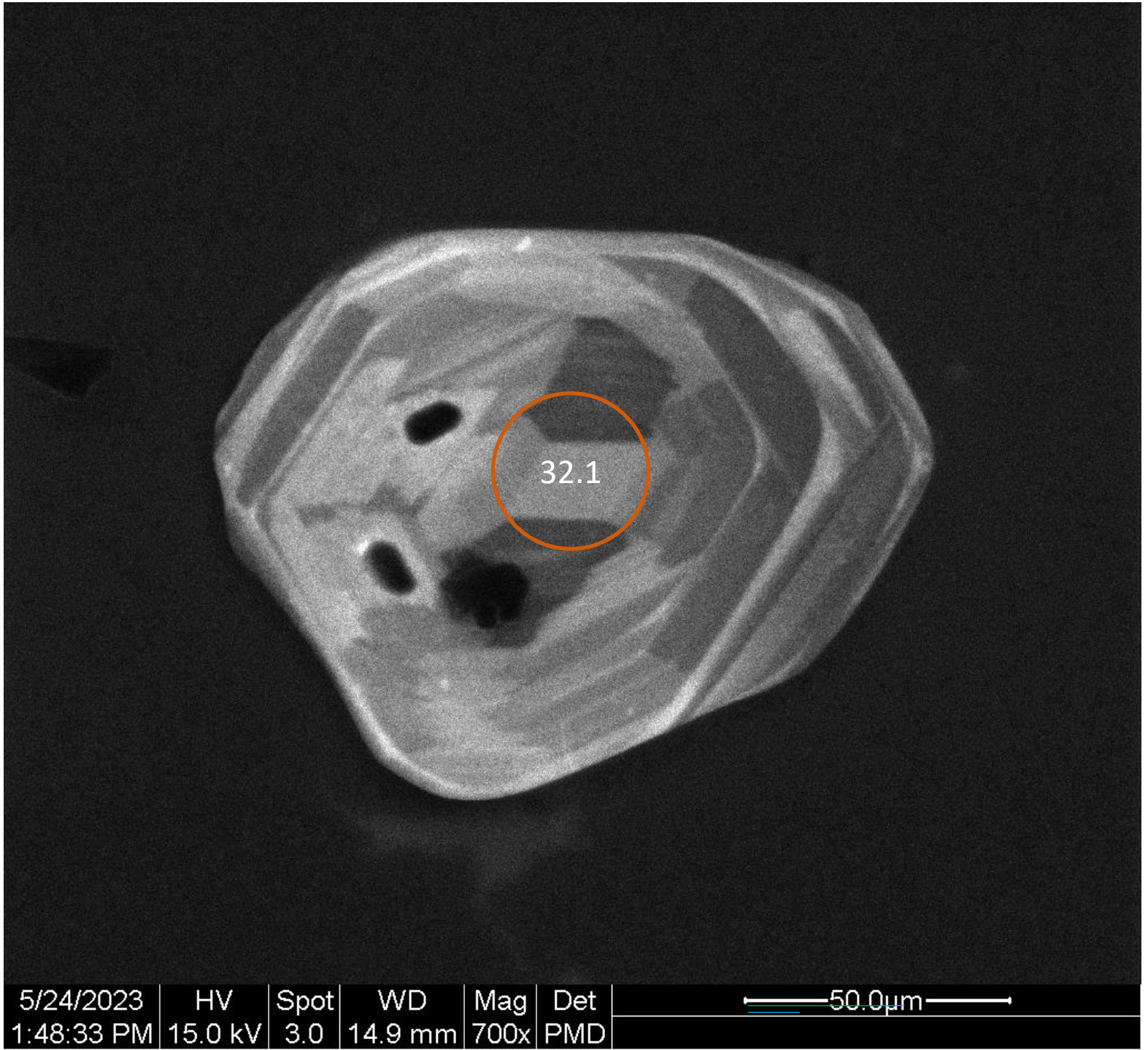
31.1, 31.2



CM22SM02-CL_032.tif

1x U-Pb

32.1



CM22SM02-CL_033.tif

1x U-Pb

33.1



CM22SM02-CL_034.tif

1x U-Pb

34.1



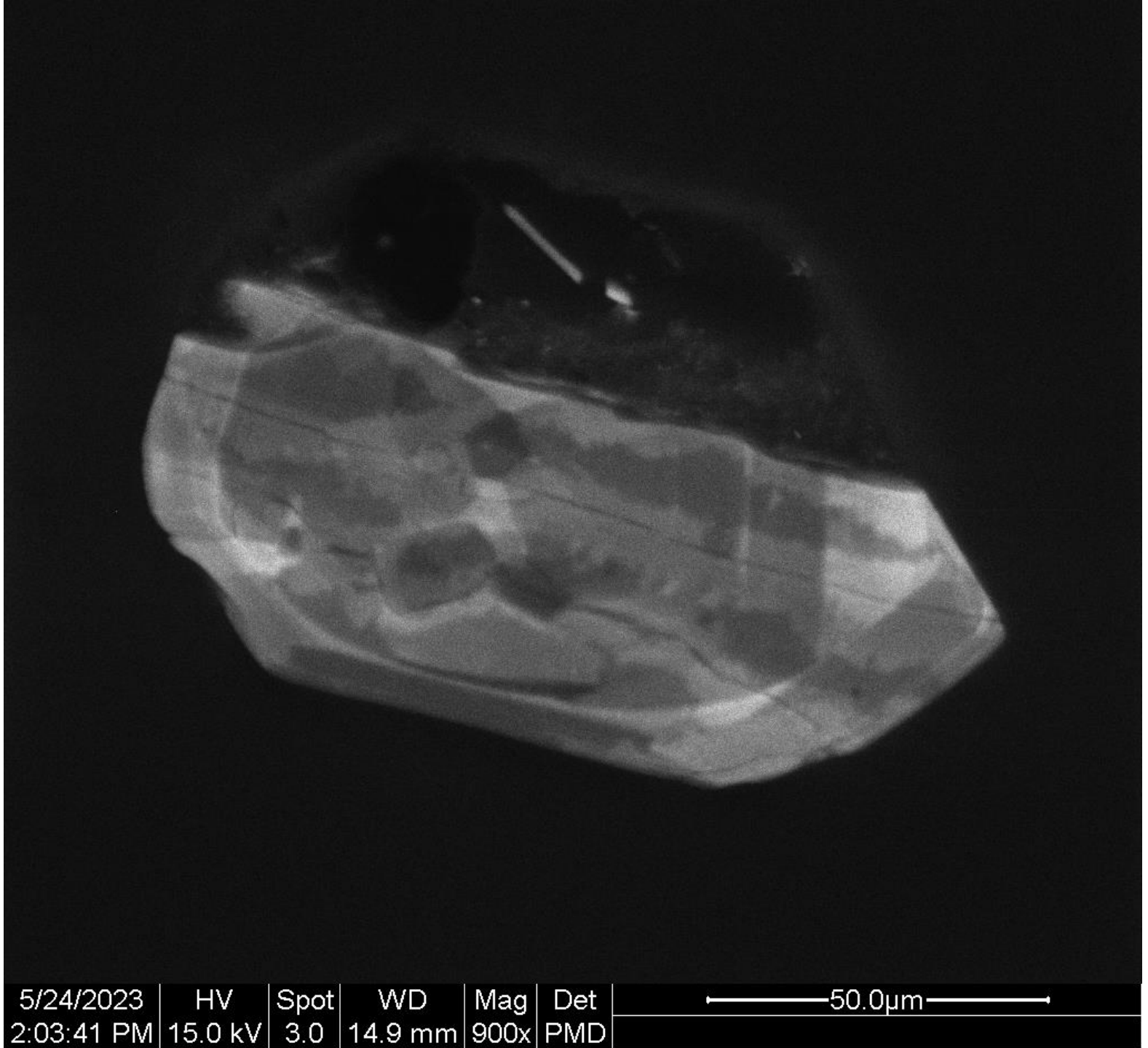
CM22SM02-CL_035.tif

No analysis, grain too small/fractured/zones too small.



CM22SM02-CL_036.tif

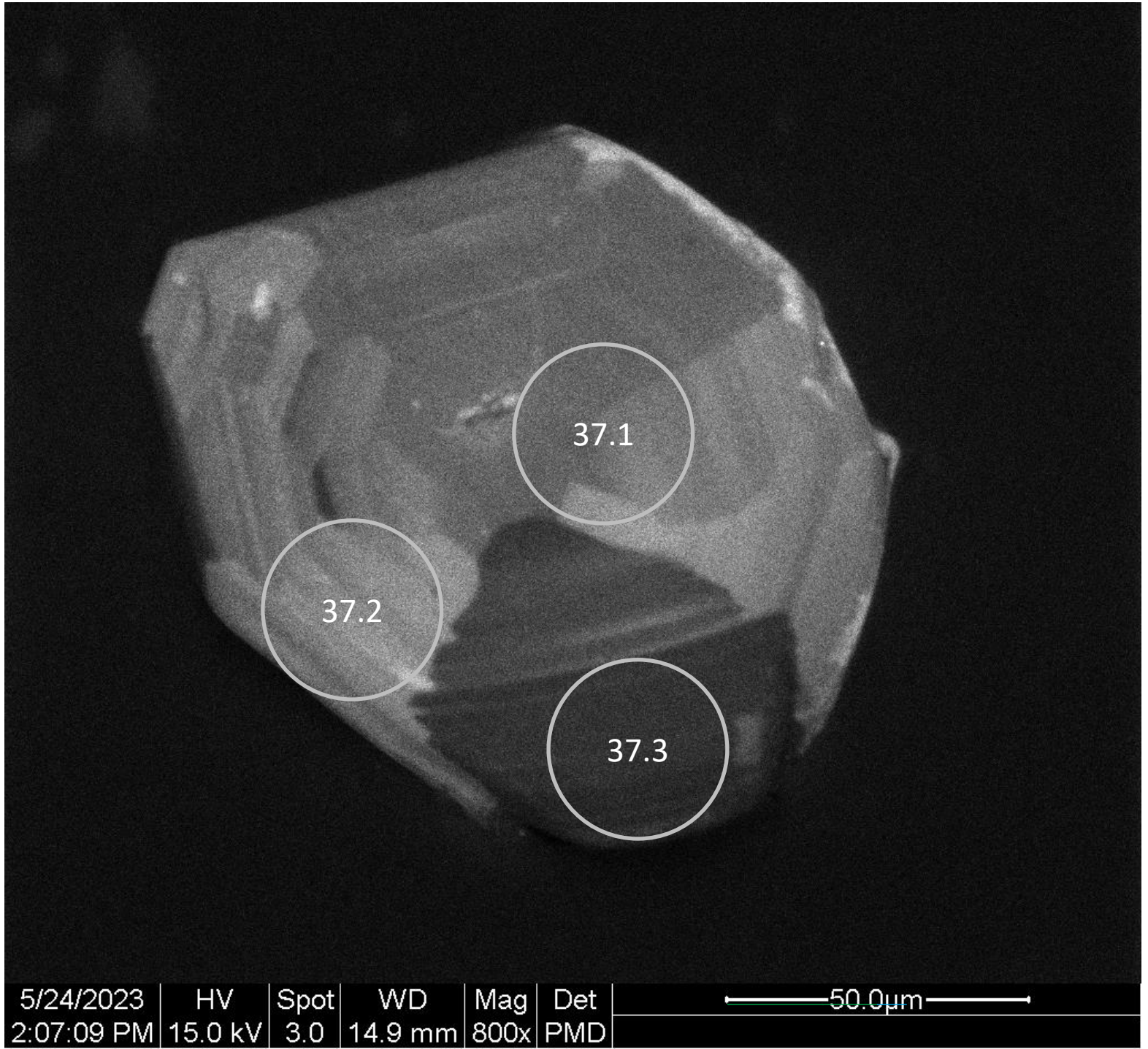
No analysis.



CM22SM02-CL_037.tif

3x U-Pb

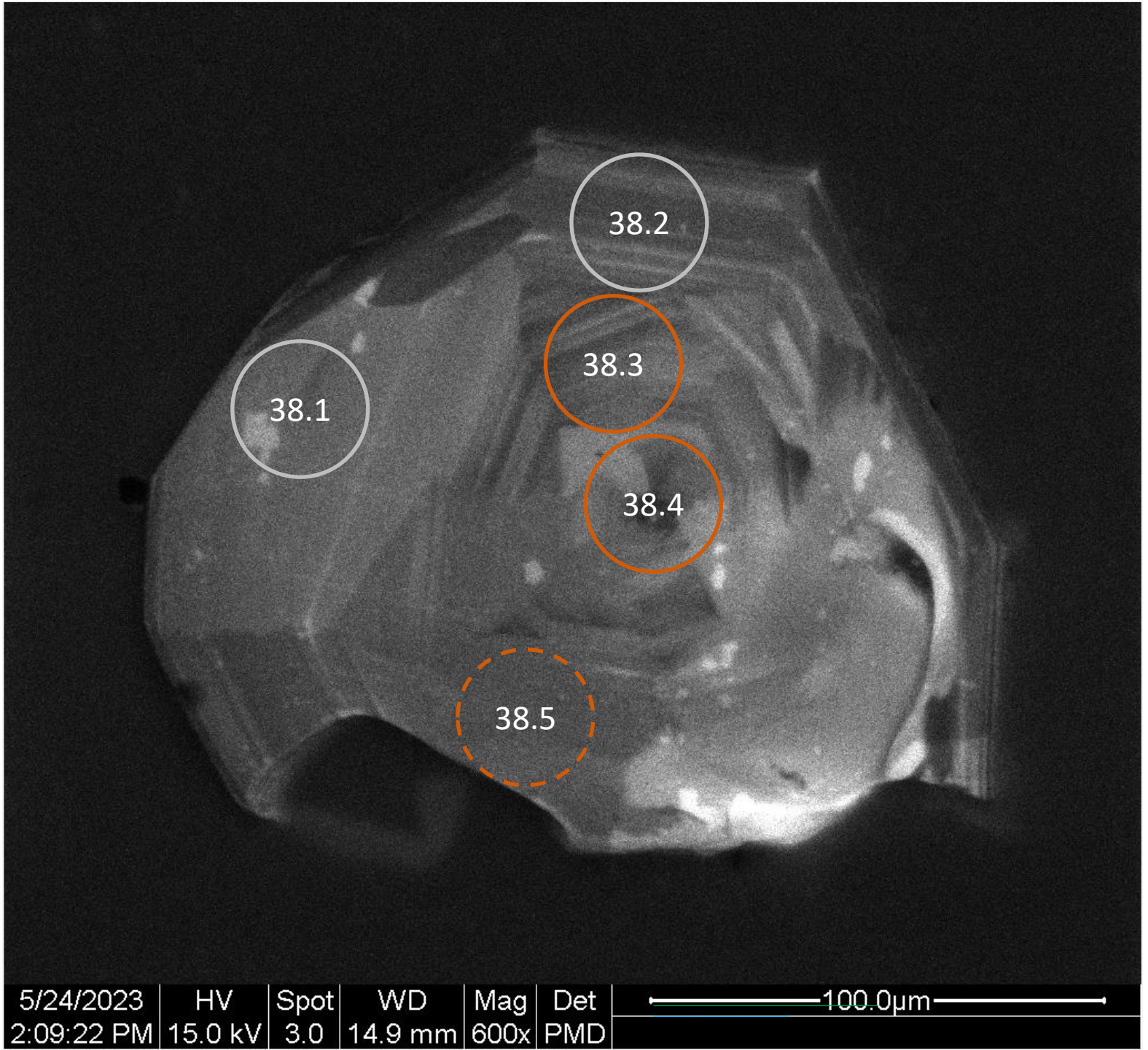
37.1, 37.2, 37.3



CM22SM02-CL_038.tif

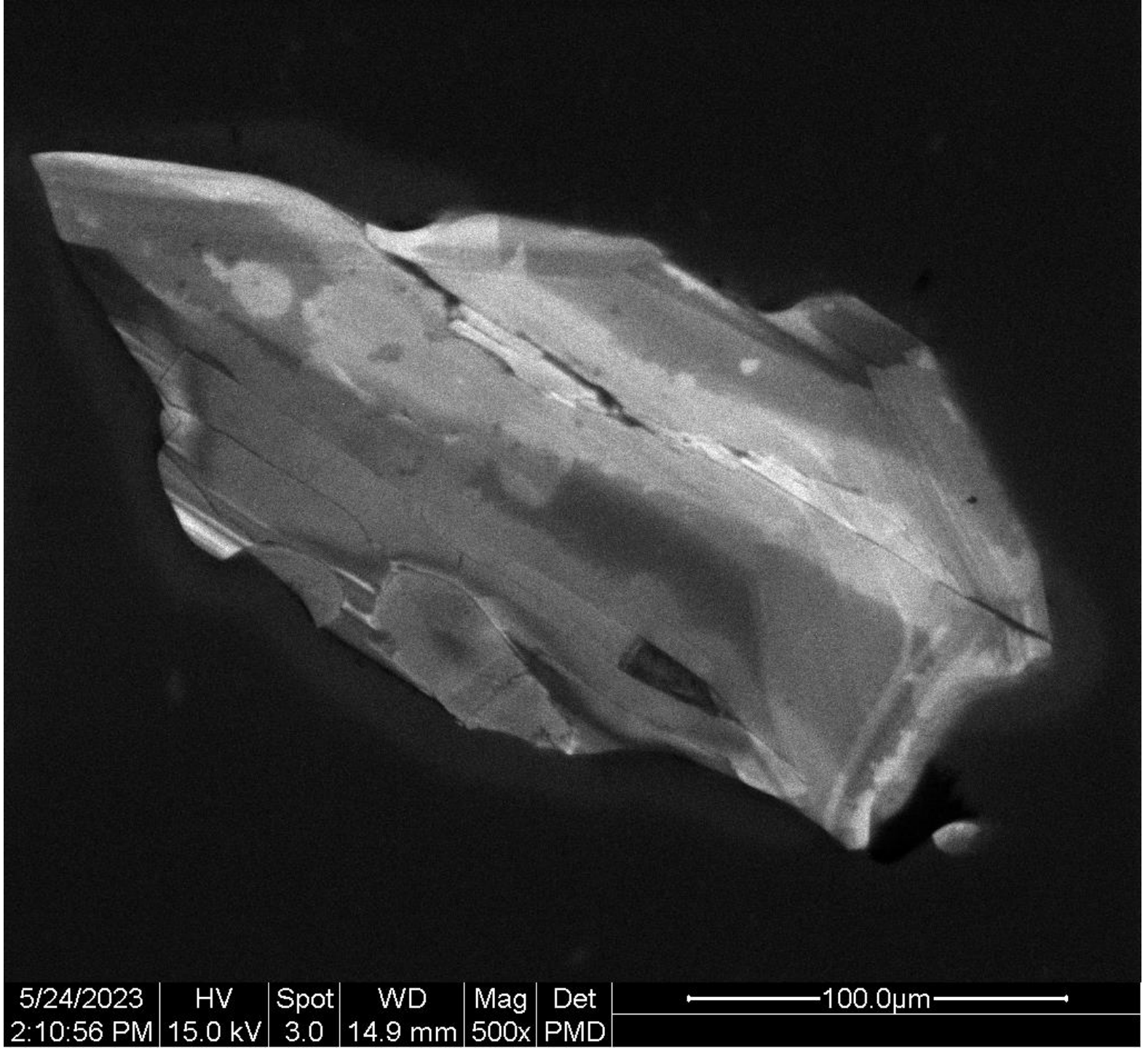
5x U-Pb

38.1, 38.2, 38.3, 38.4, 38.5



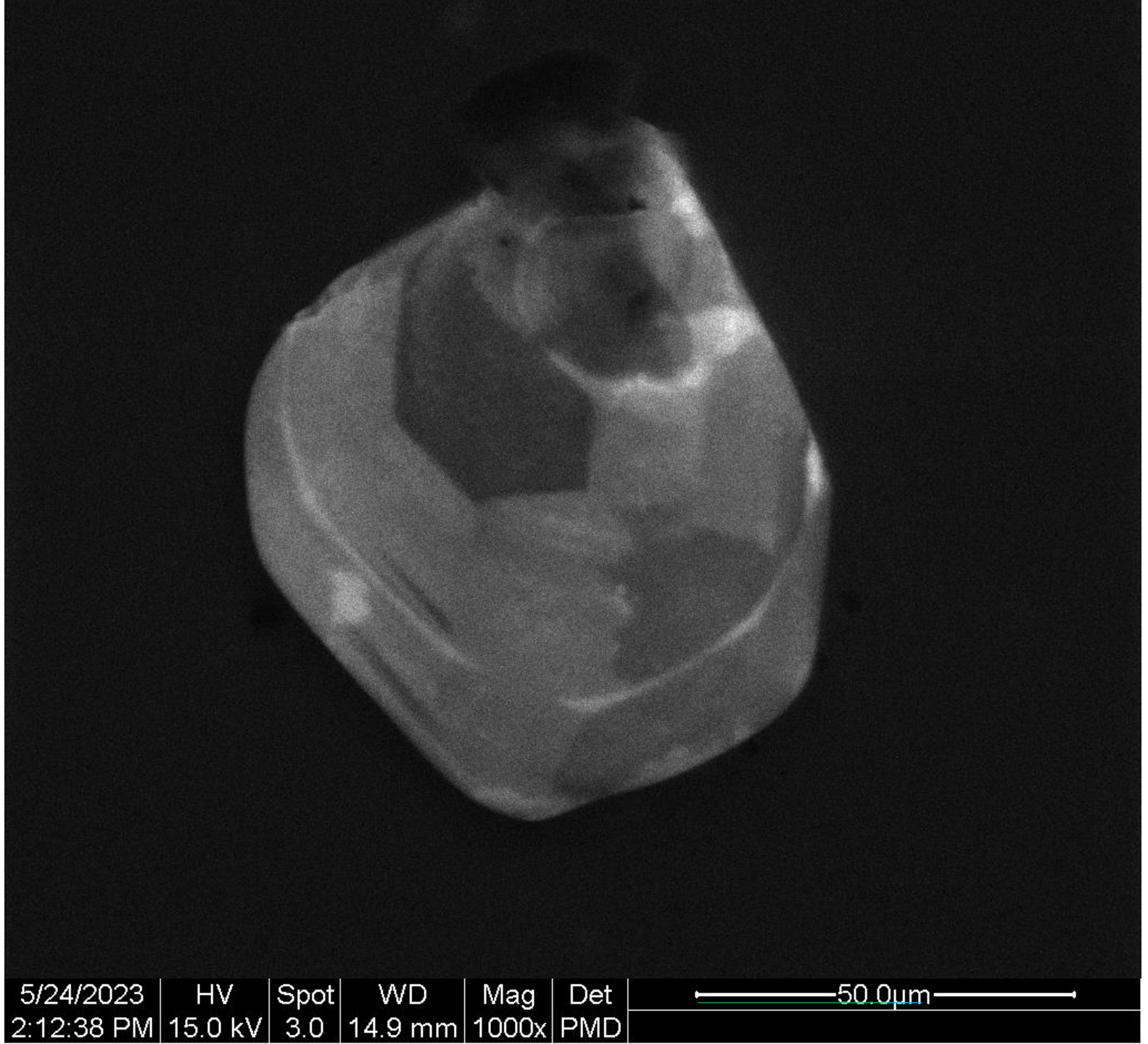
CM22SM02-CL_039.tif

No analysis.



CM22SM02-CL_040.tif

No analysis. Zones aren’t clear/too small.



CM22SM02-CL_041.tif

