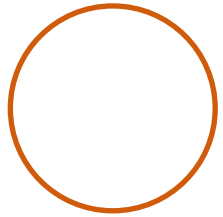
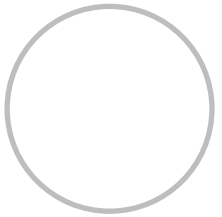
Emplacement spots (i.e., rim spots included in $^{206}Pb/^{238}U$ weighted mean age).



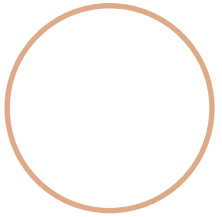
Antecrystic cores (i.e., core spots older and outwith the confidence interval of the weighted mean emplacement age)



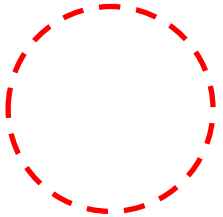
Probable Pb loss core spots (i.e., core spots falling younger than and within confidence interval of emplacement age)



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



Xenocrystic spots (i.e., spots older than 425 Ma)



Potential trace element spots for future analysis

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

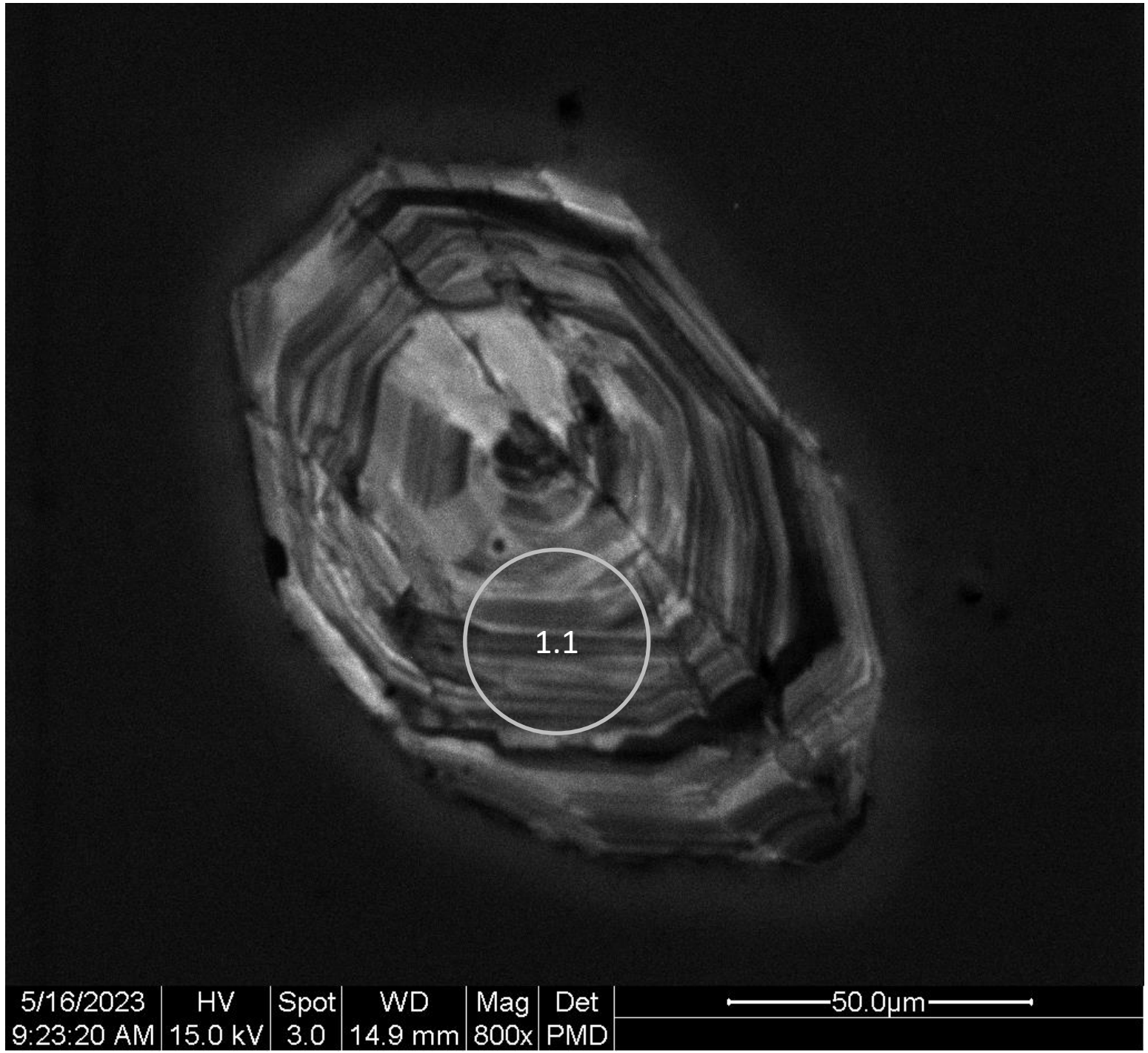
Spot colours correlate to cores, rims, xenocrysts and rejected spots on the associated BG-01 concordia and weighted mean plot (Figure 4.7 in text).

BG01_b1

CG22BG01-B1_CL_001.tiff

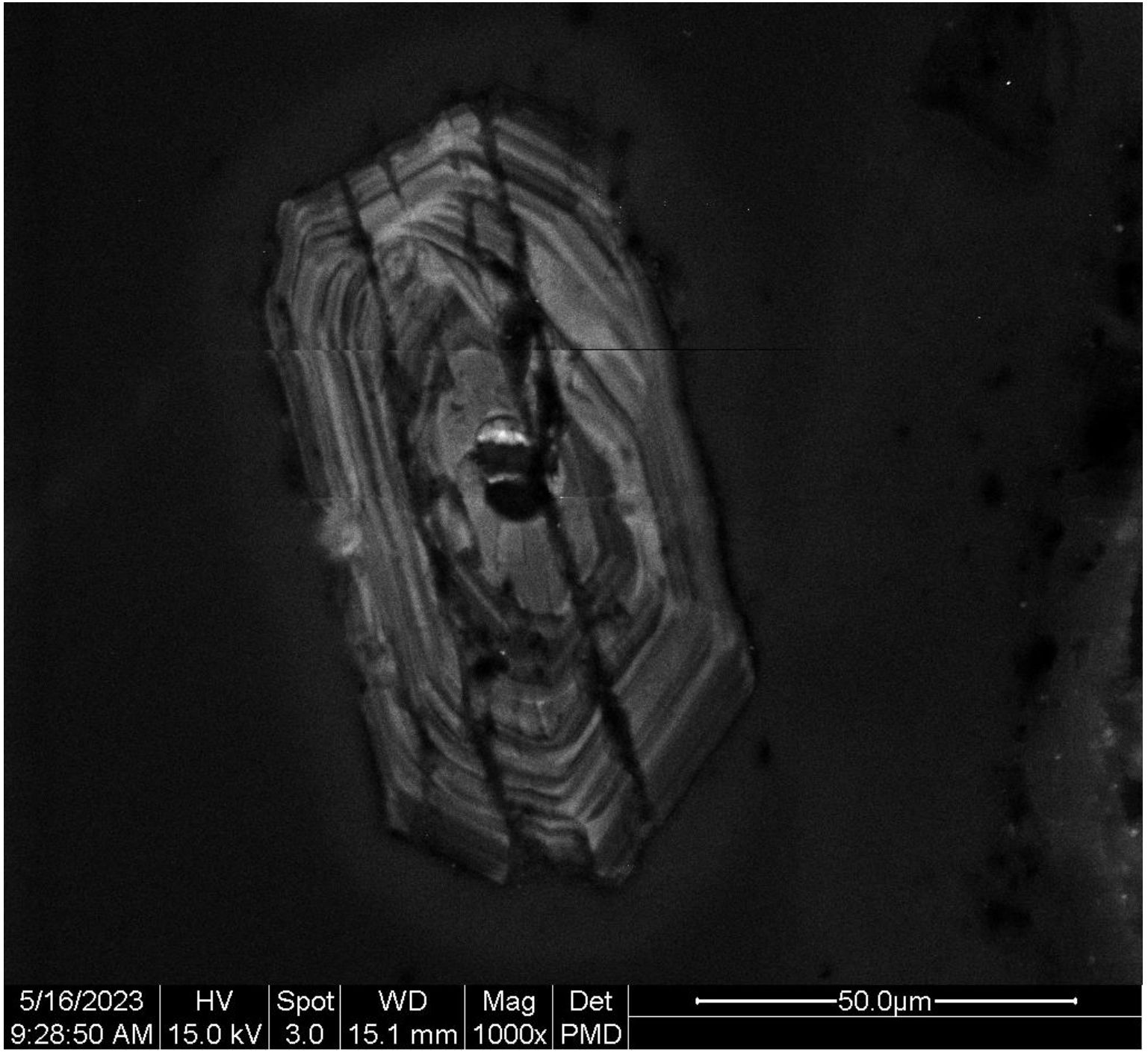
1x U-Pb

1.1



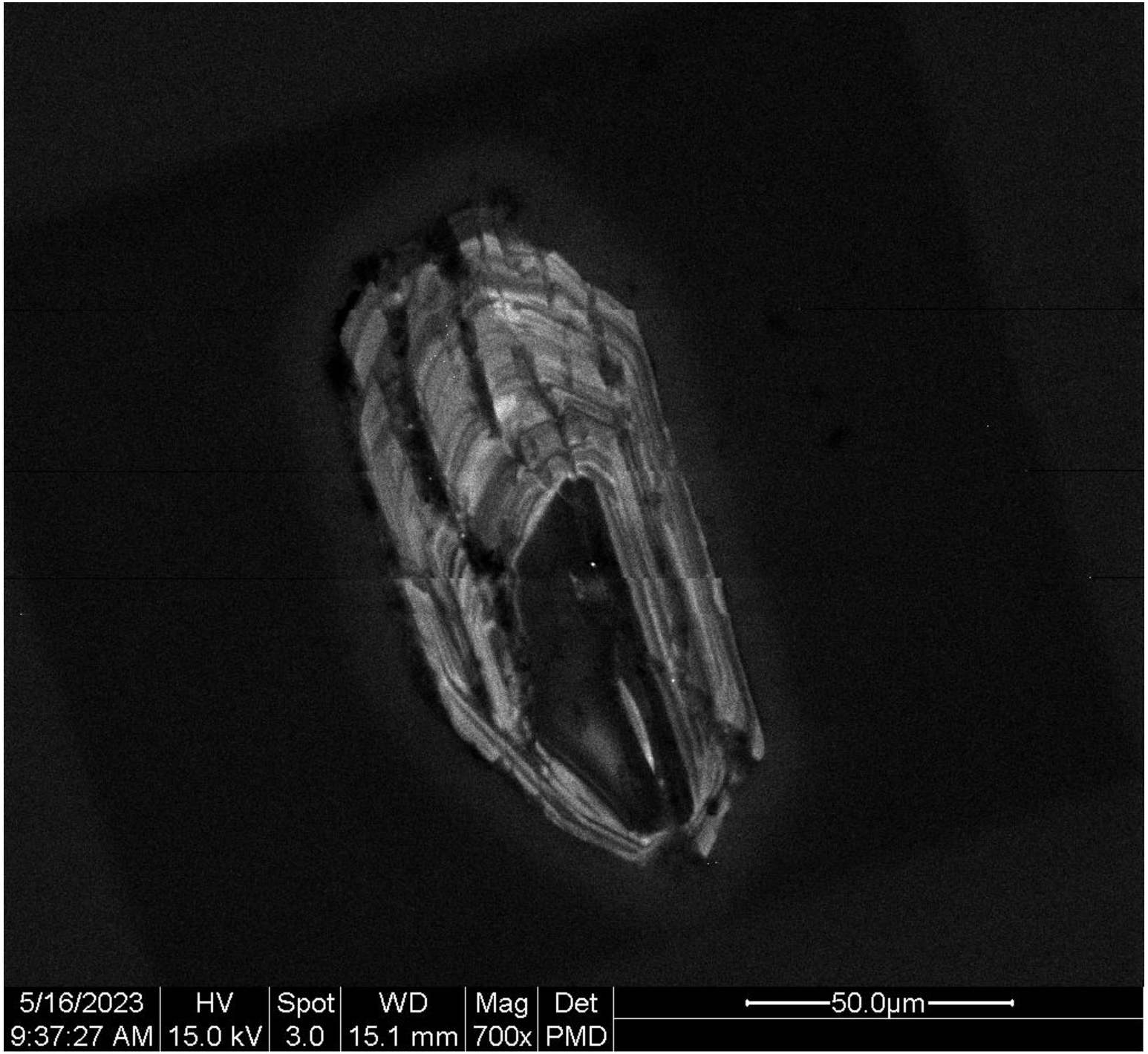
CG22BG01-B1_CL_002.tiff

No analysis, too many fractures!



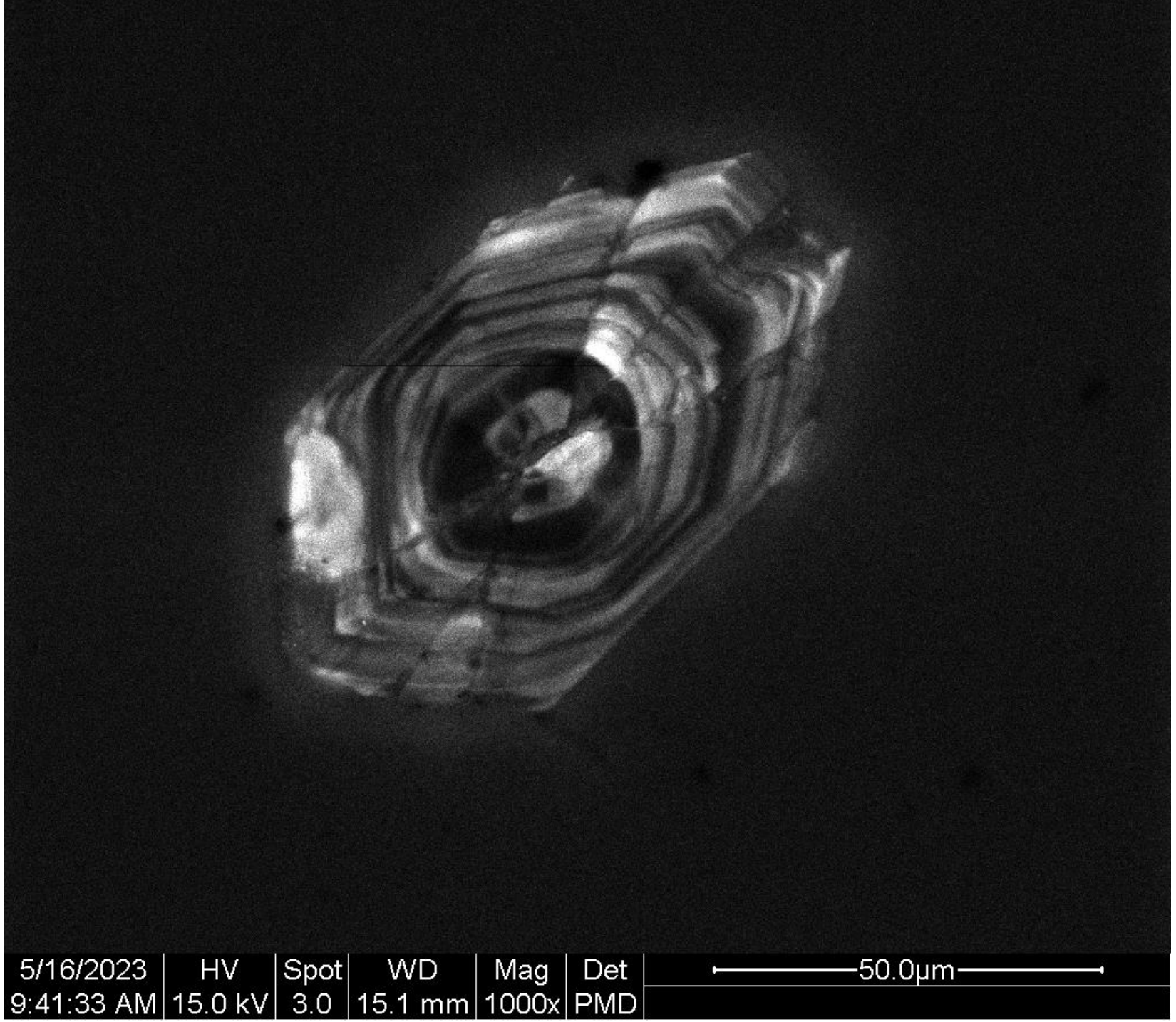
CG22BG01-B1_CL_003.tiff

No analysis, too many fractures!



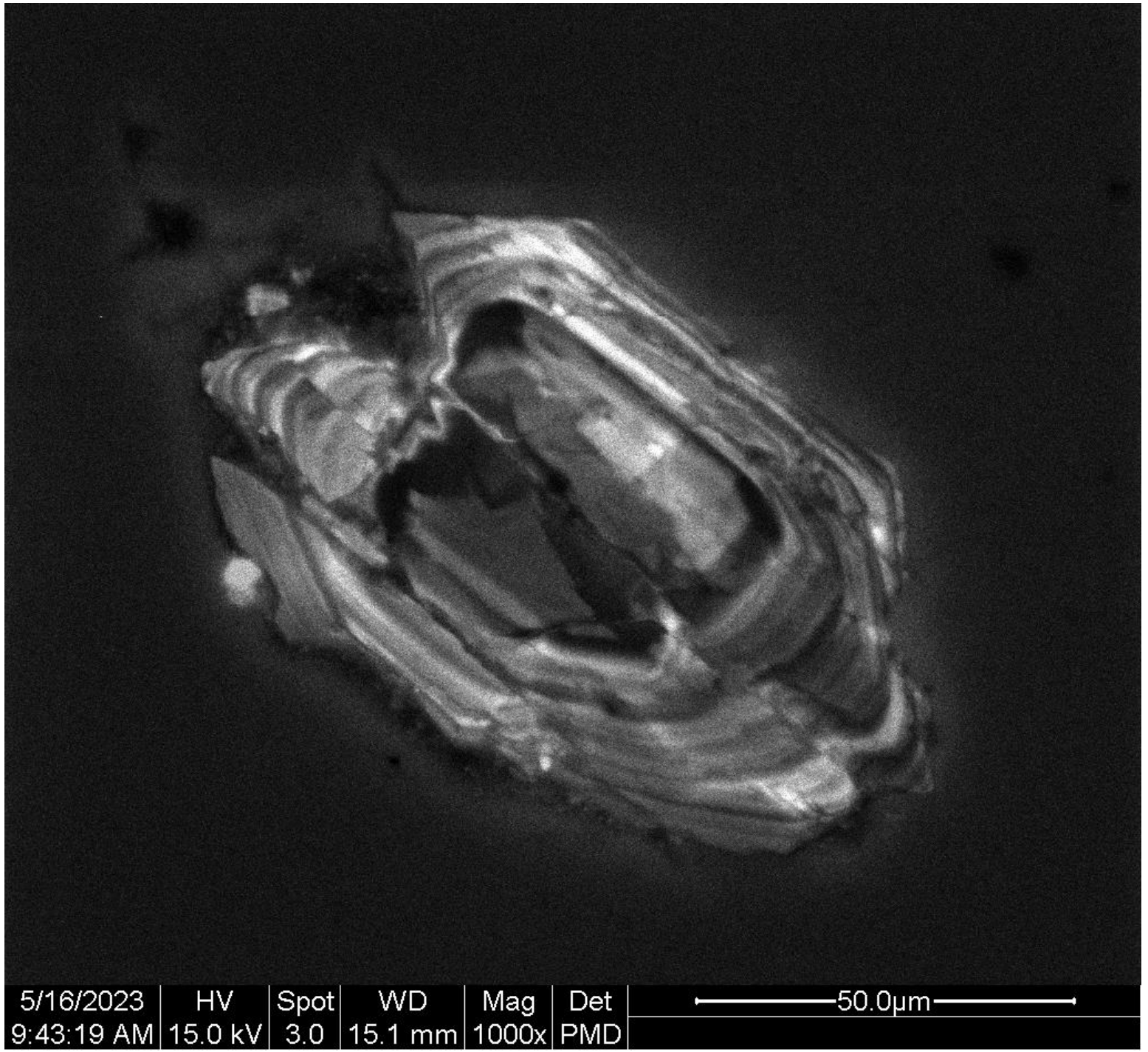
CG22BG01-B1_CL_004.tiff

No analysis, too many fractures/grain to small!



CG22BG01-B1_CL_005.tiff

No analysis, grain is too altered.



CG22BG01-B1_CL_006.tiff

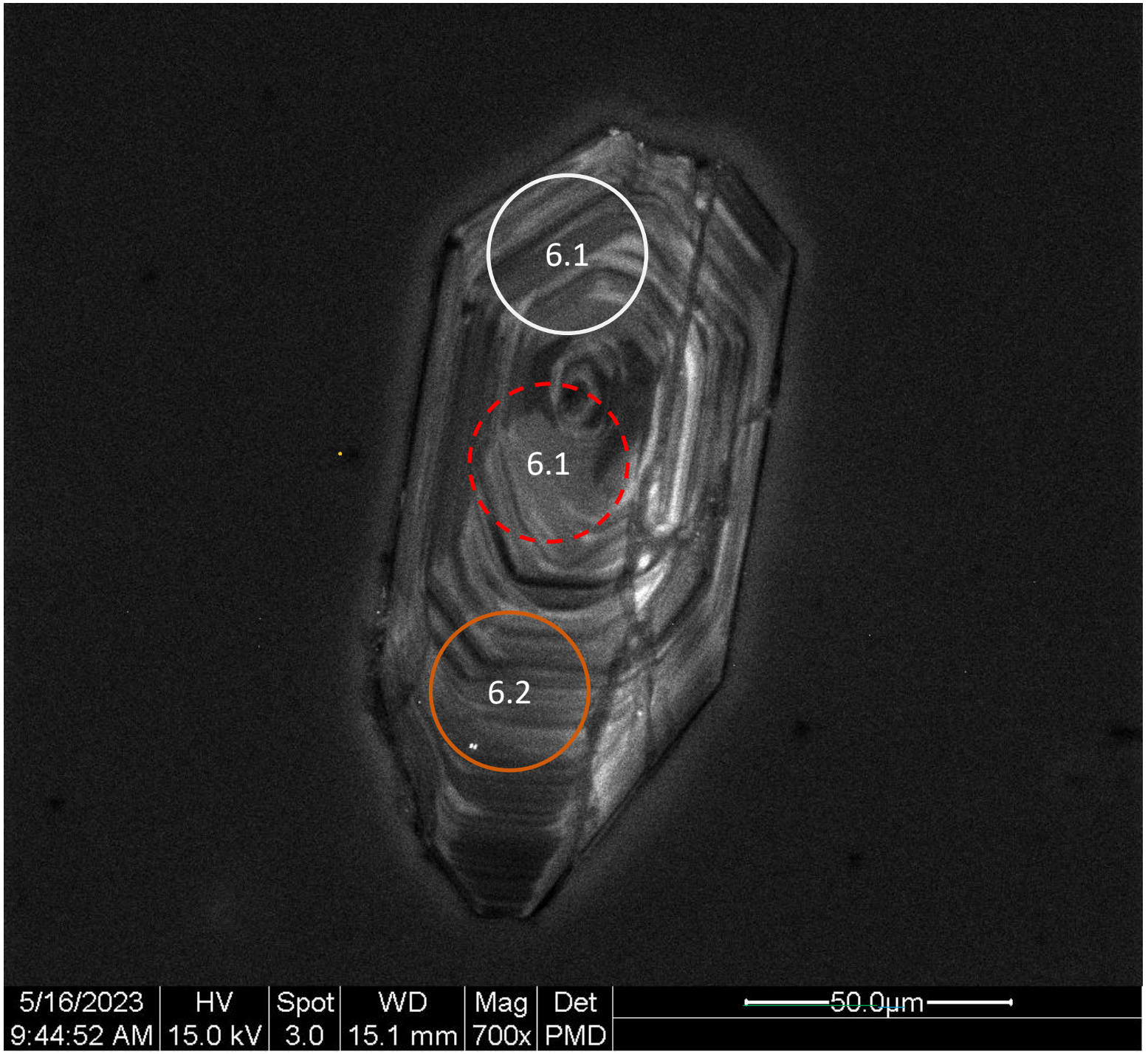
2x U-Pb

6.1, 6.2

1x TE

6.1

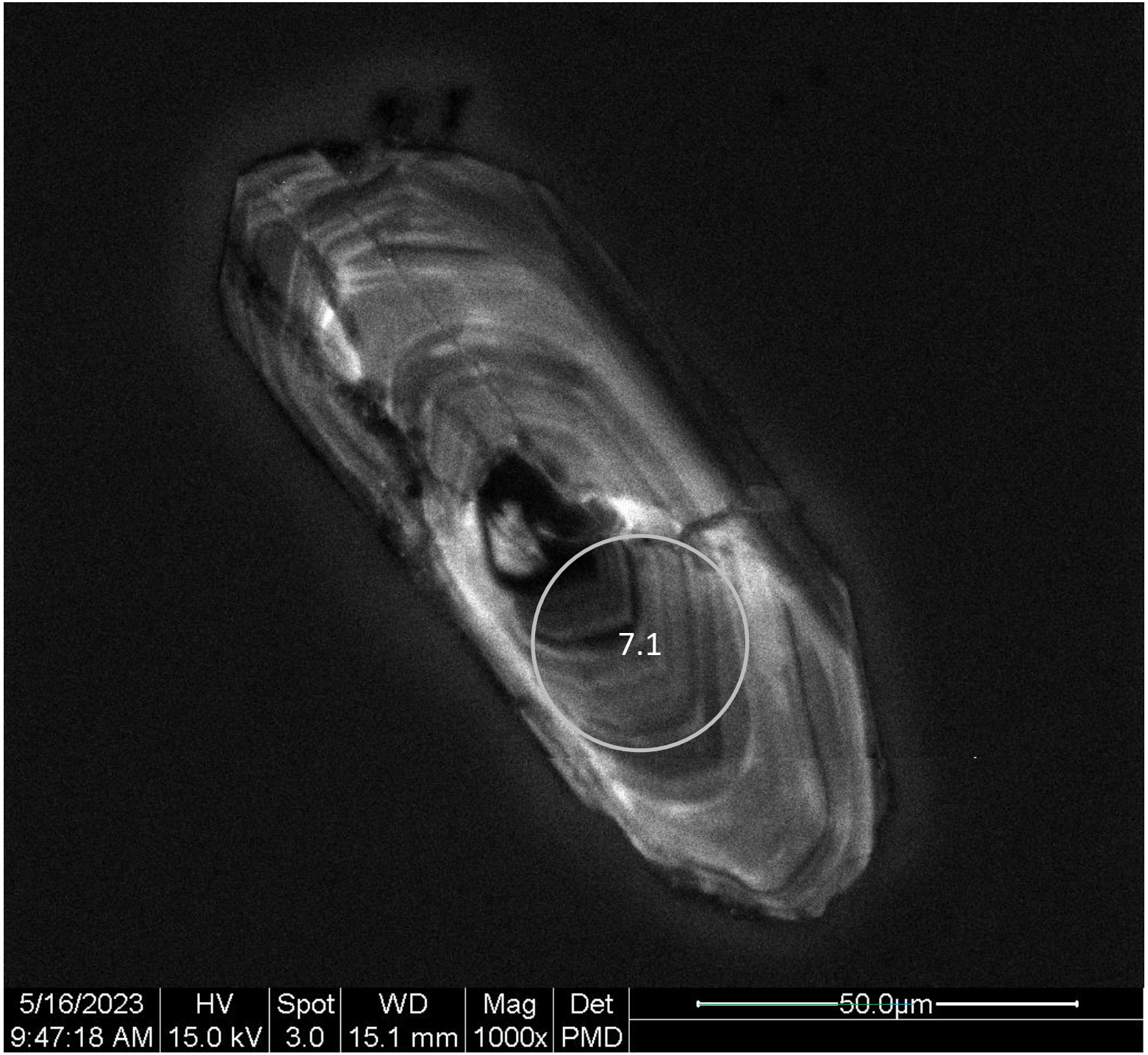
6.2 as oldest antecrystic core/earliest zircon growth in BG-01



CG22BG01-B1_CL_007.tiff

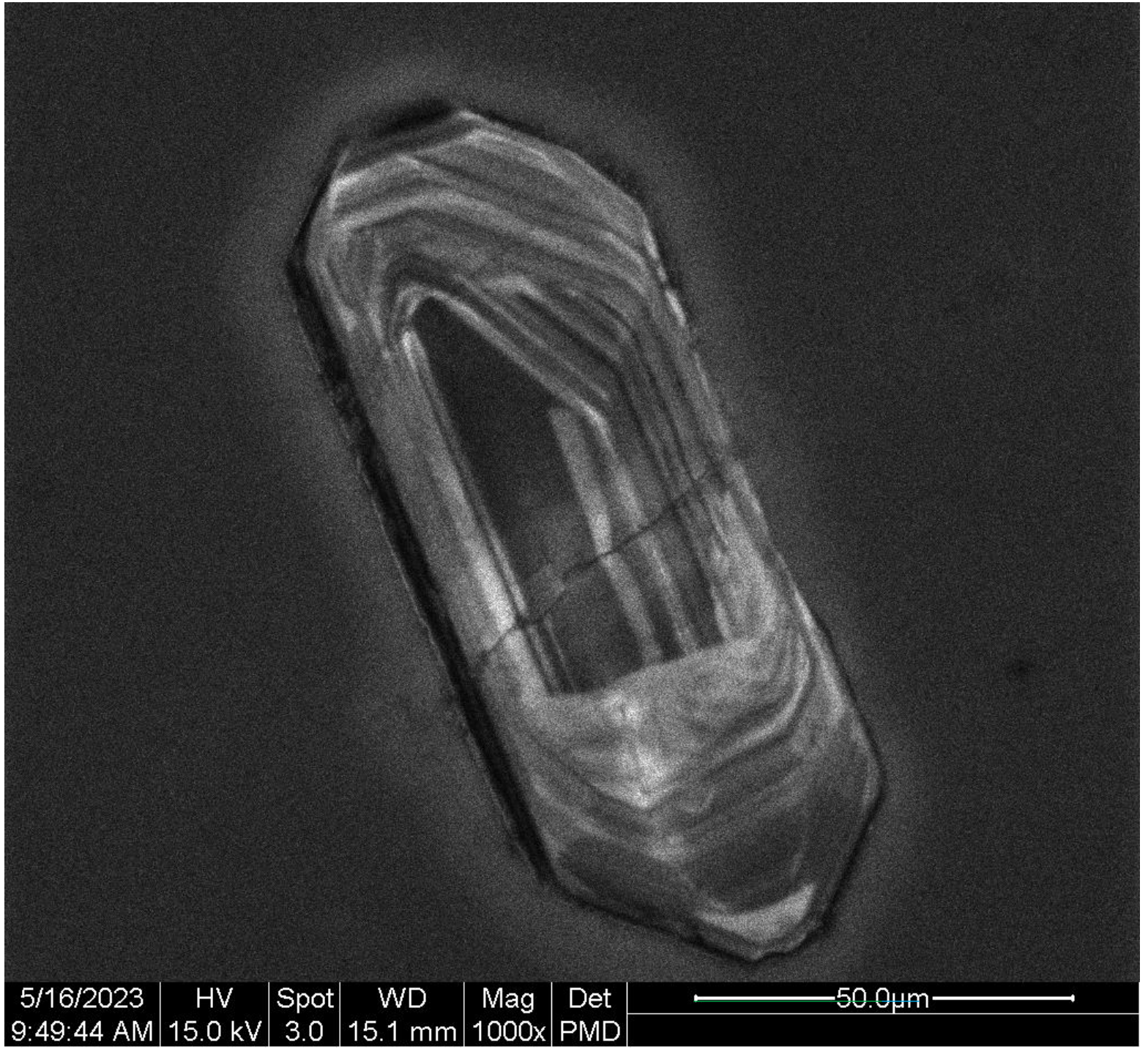
1x U-Pb

7.1



CG22BG01-B1_CL_008.tiff

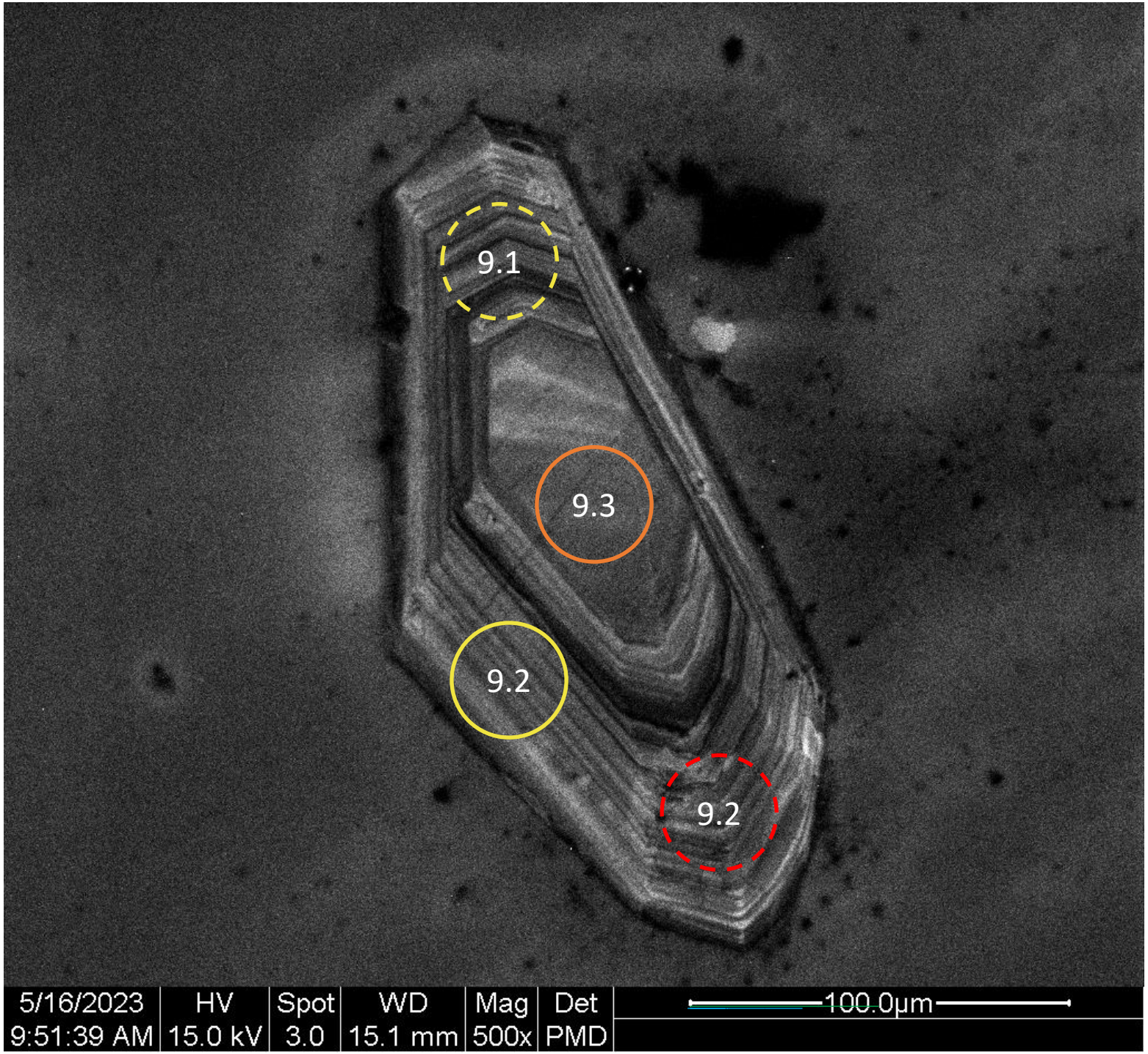
No analysis



CG22BG01-B1_CL_009.tiff

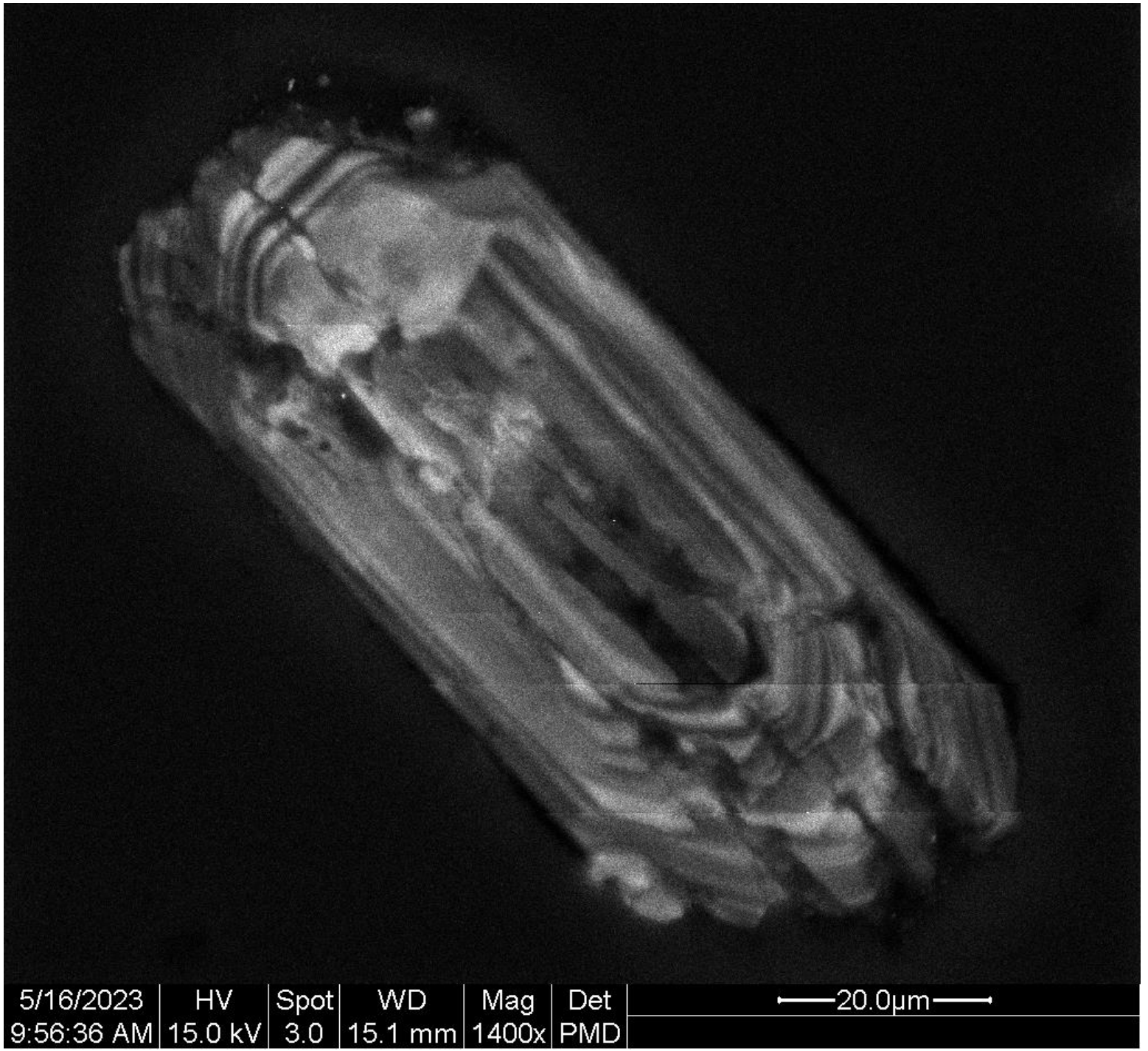
3x U-Pb

9.1 **(acceptable rim but on inner portion of grain so not included in weighted mean age)**
9.2
9.3



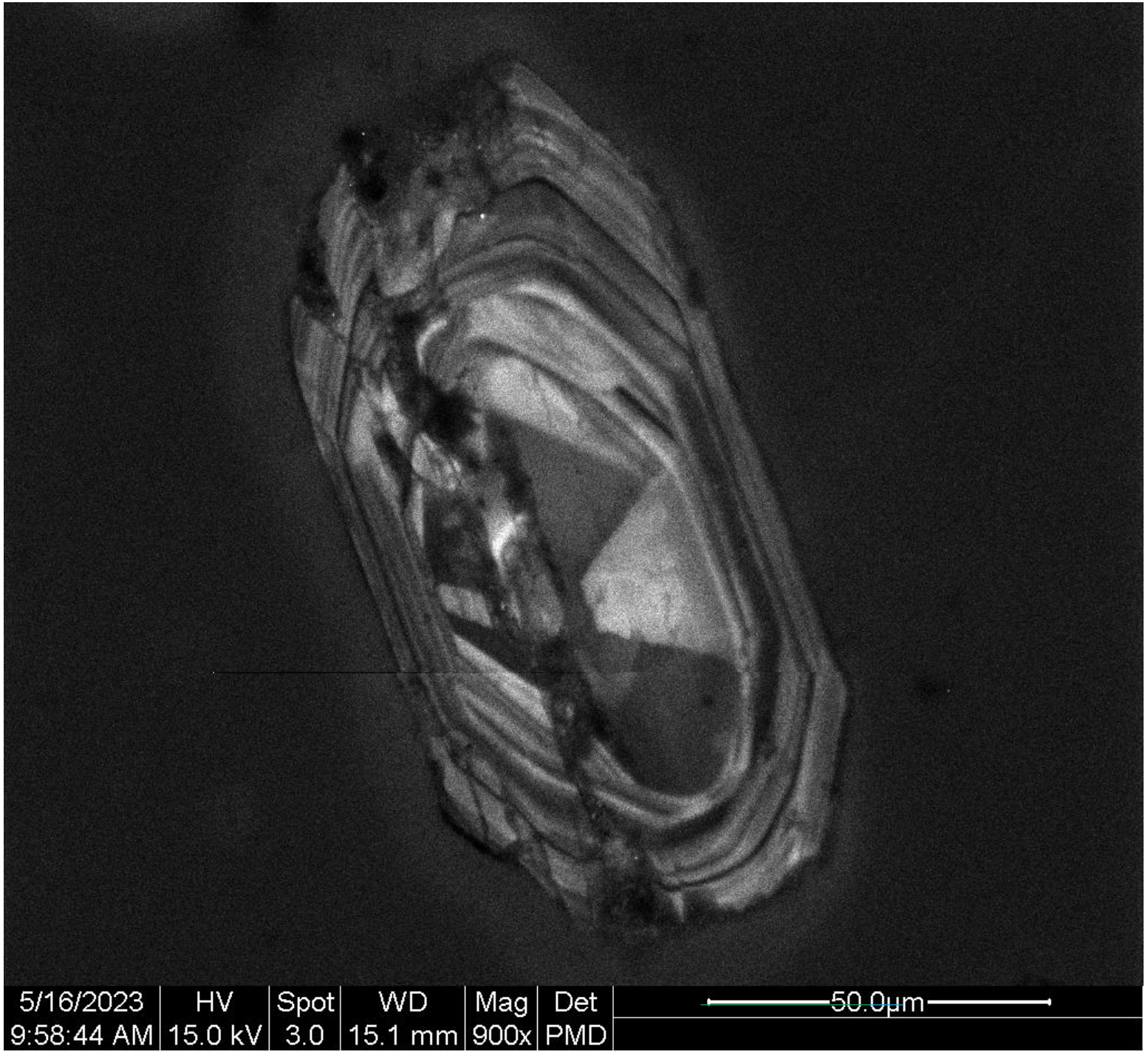
CG22BG01-B1_CL_010.tiff

No analysis, grain is too altered/too small.



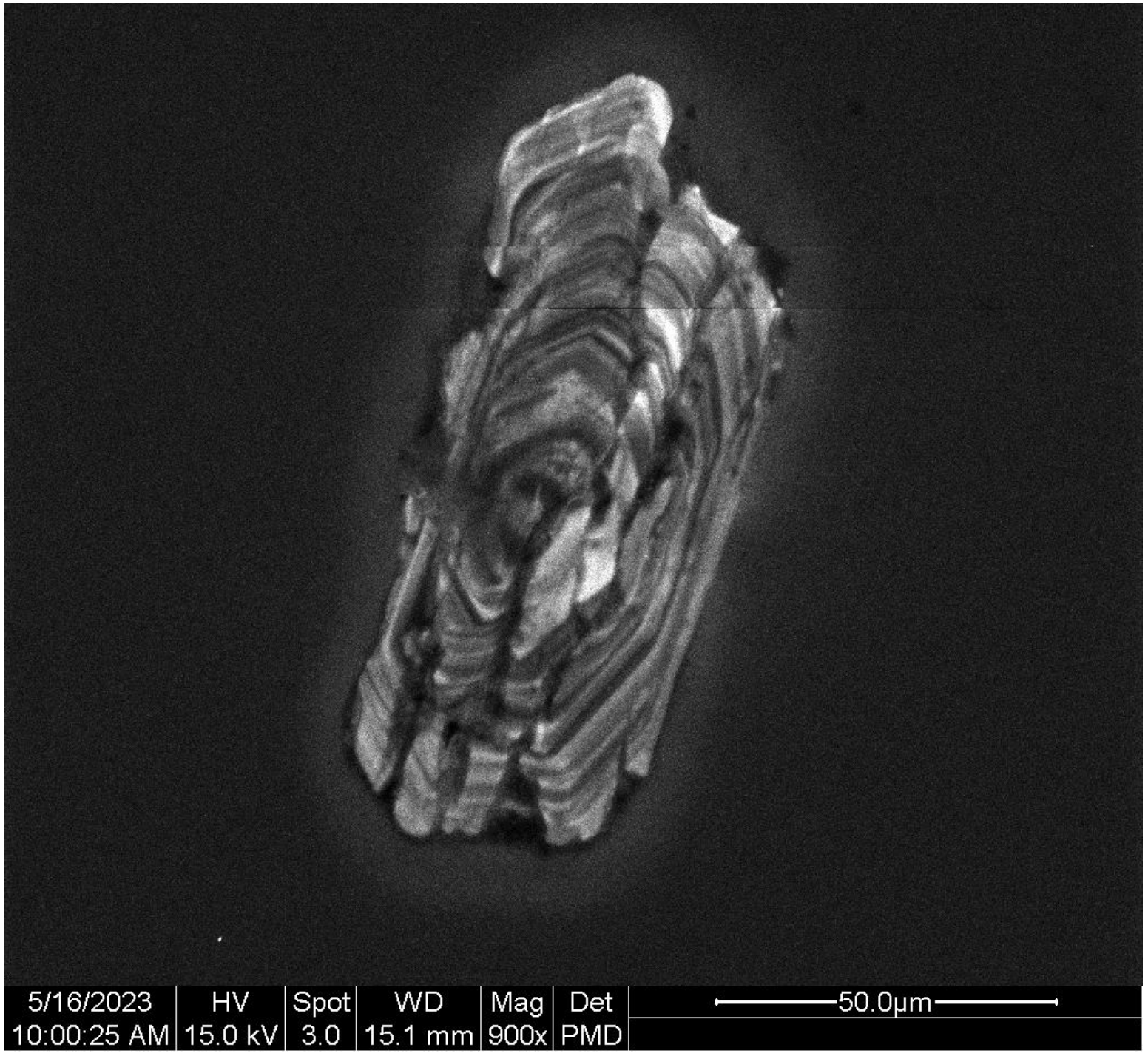
CG22BG01-B1_CL_011.tiff

No analysis, grain is too altered/too small.



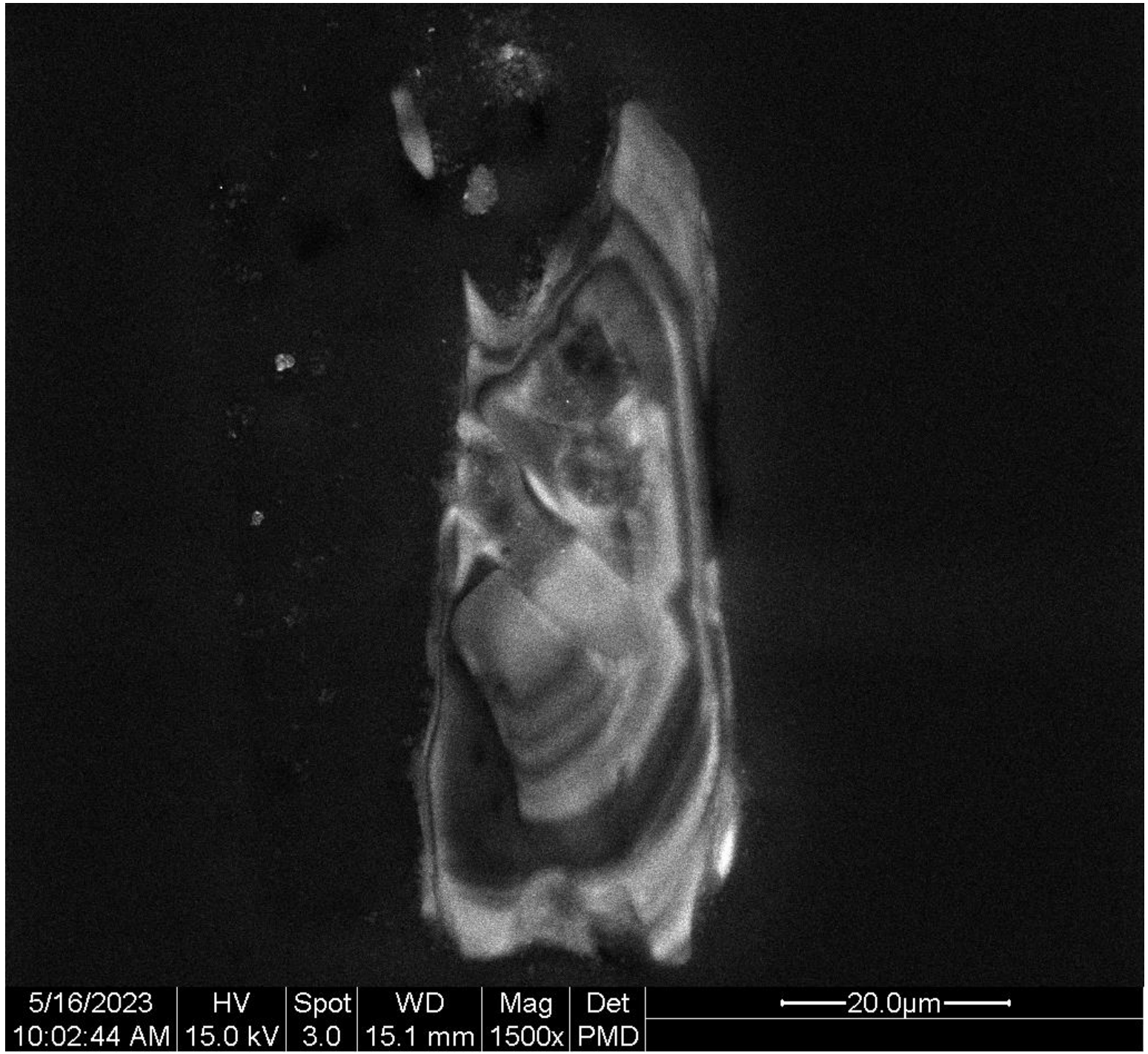
CG22BG01-B1_CL_012.tiff

No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_013.tiff

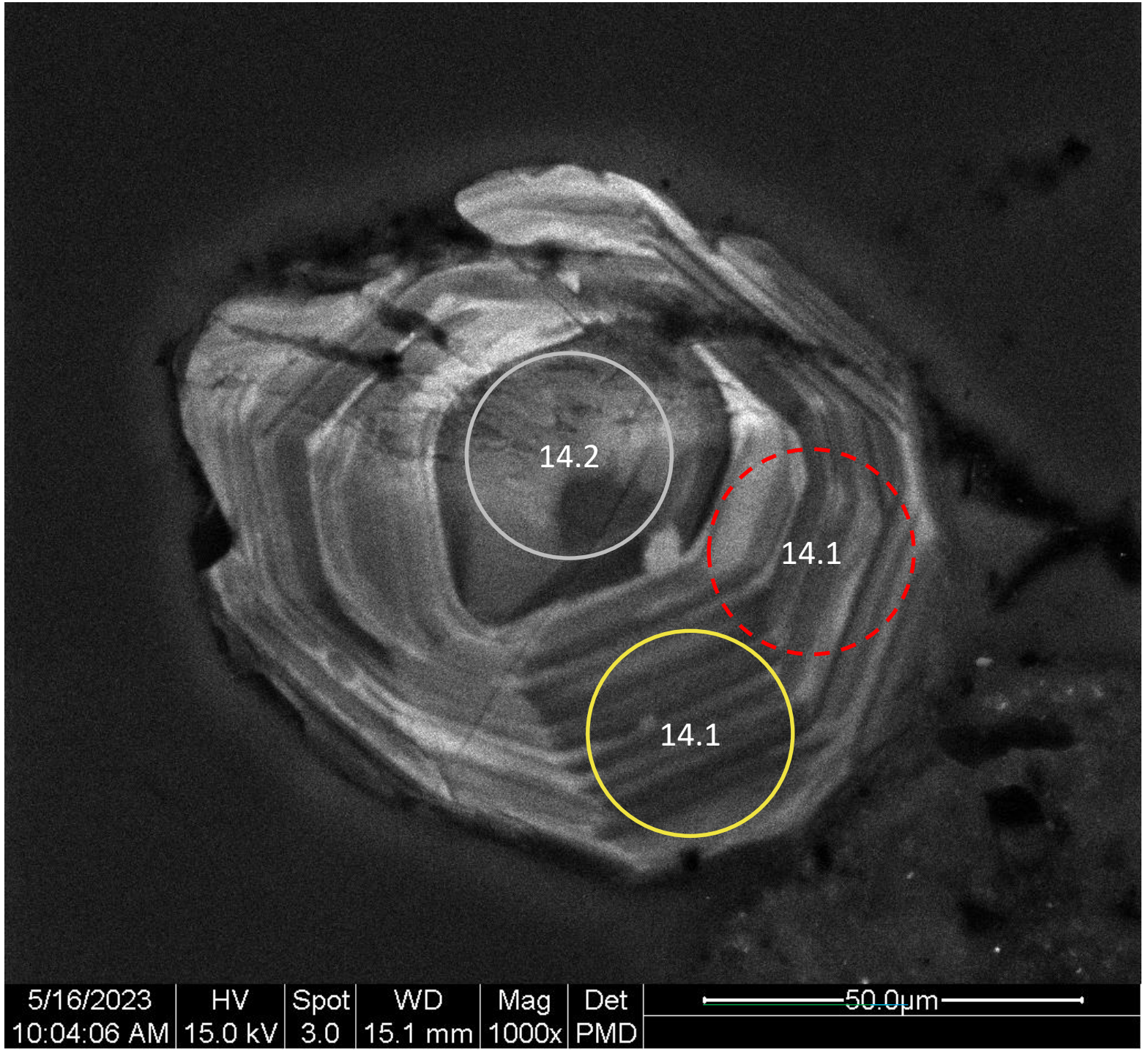
No analysis, grain is too altered/fractured.



CG22BG01-
B1_CL_014.tiff

2x U-Pb

14.1, 14.2



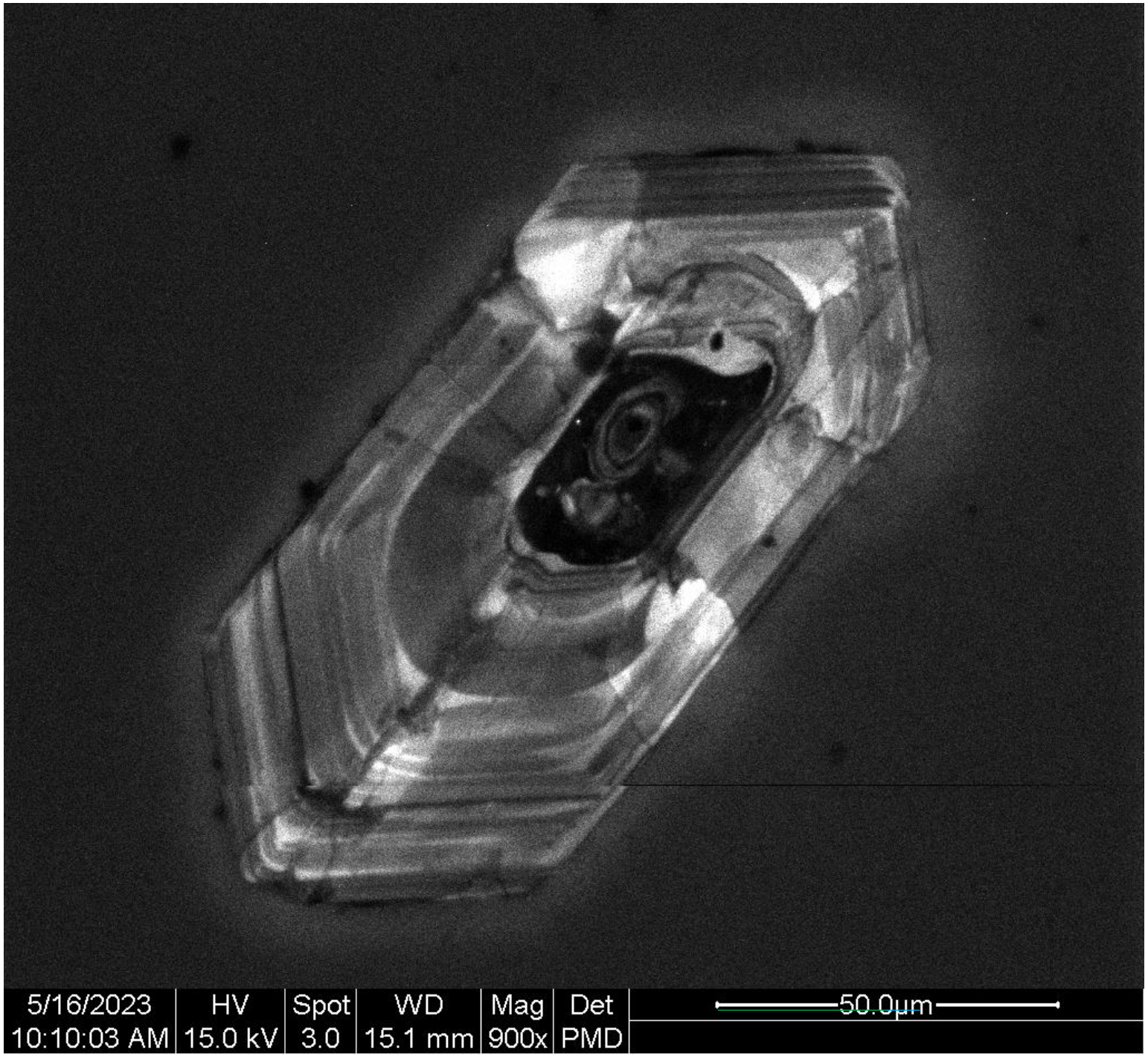
CG22BG01-B1_CL_015.tiff

No analysis



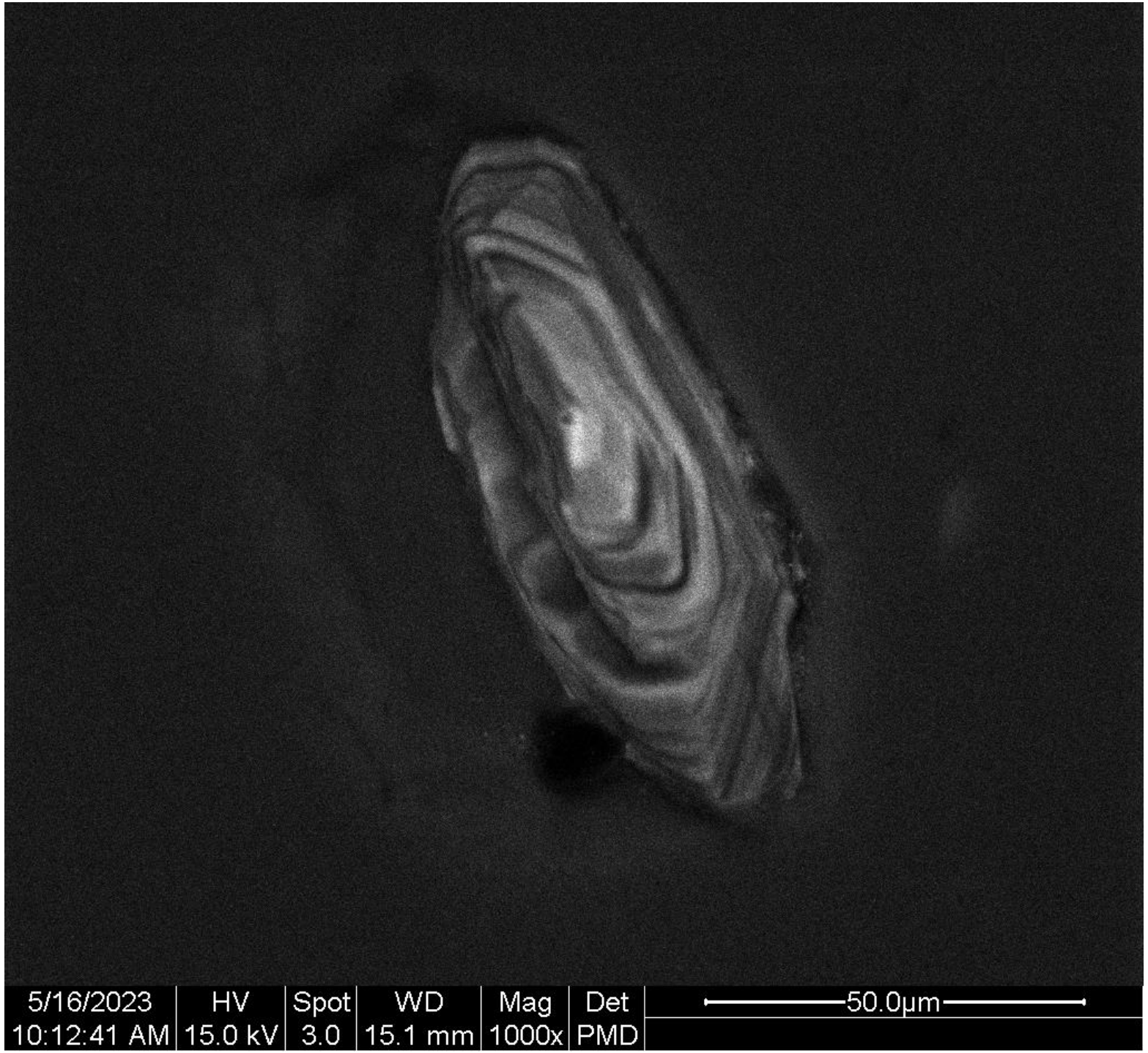
CG22BG01-B1_CL_016.tiff

No analysis



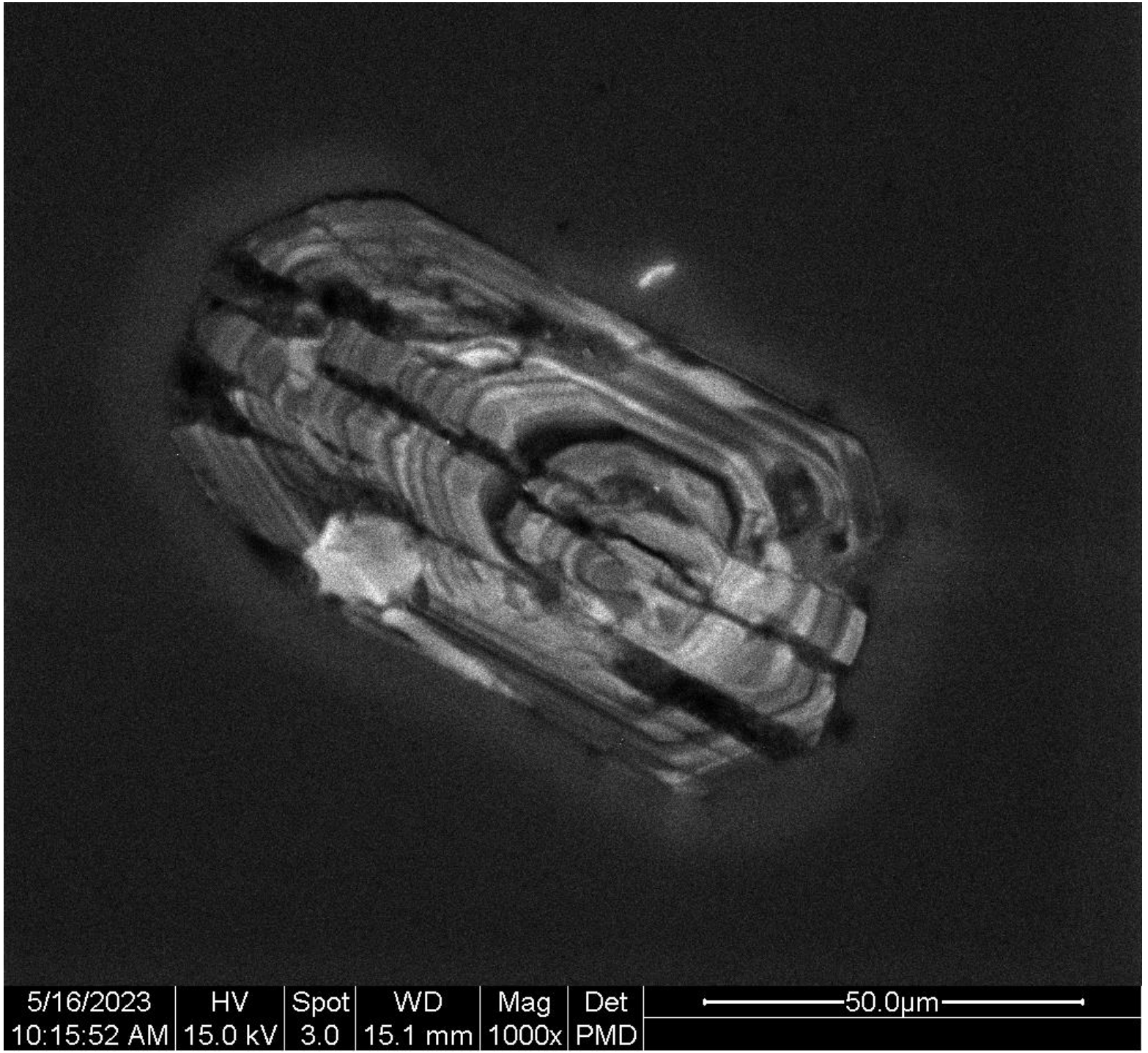
CG22BG01-B1_CL_017.tiff

No analysis, grain is too altered.



CG22BG01-B1_CL_018.tiff

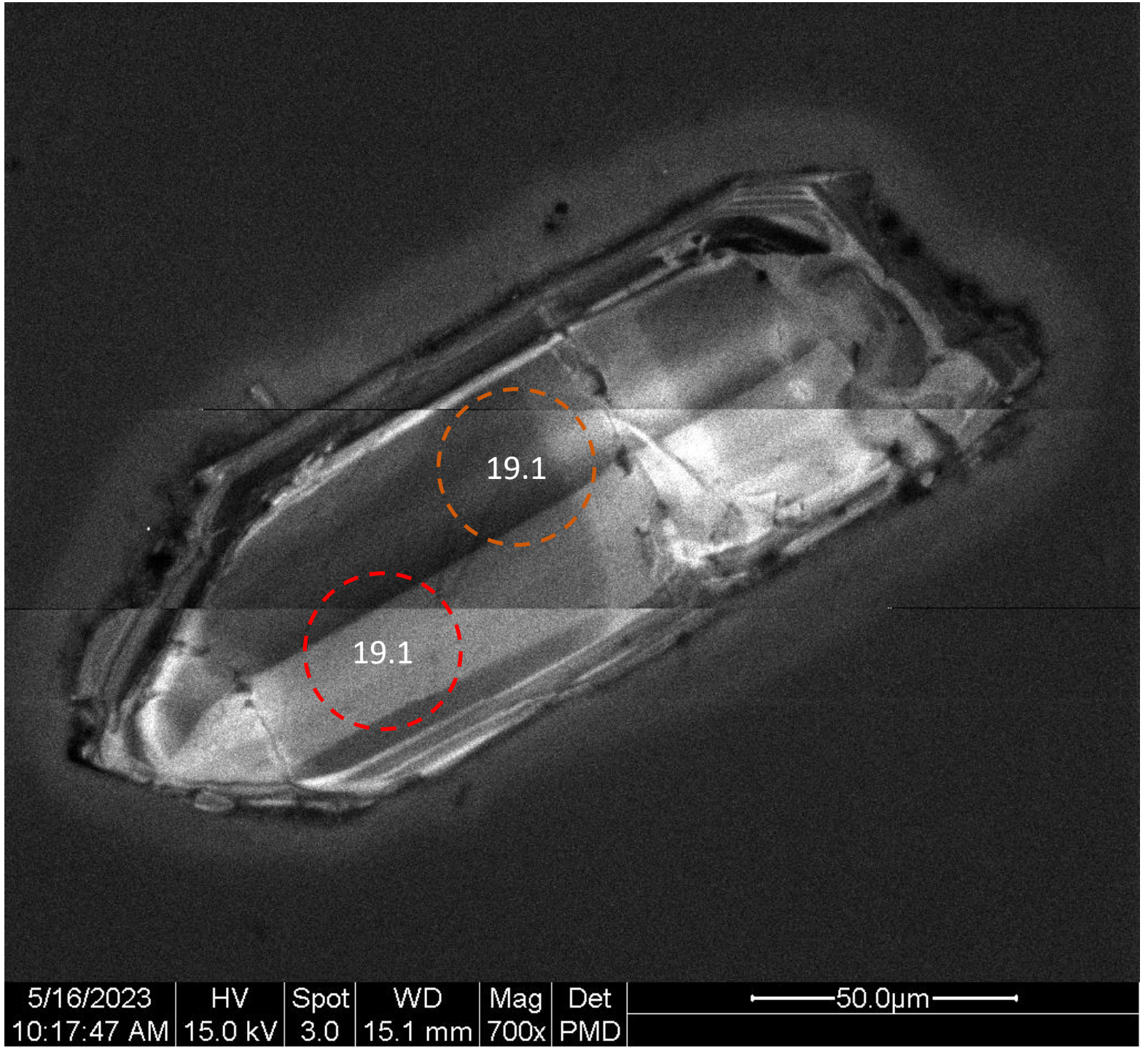
No analysis, grain is too altered/fractured.



CG22BG01-
B1_CL_019.tiff

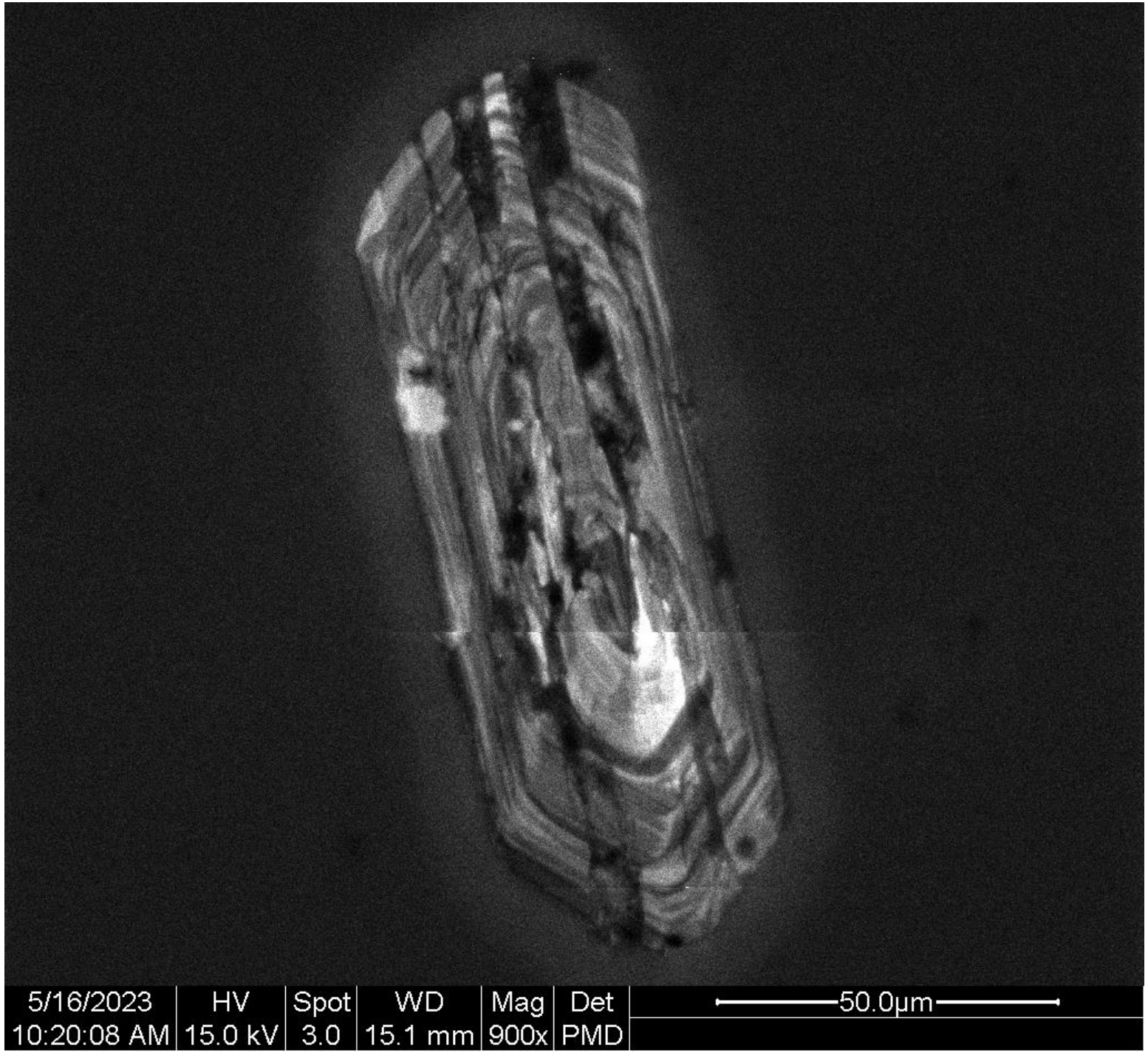
1x U-Pb

19.1



CG22BG01-B1_CL_020.tiff

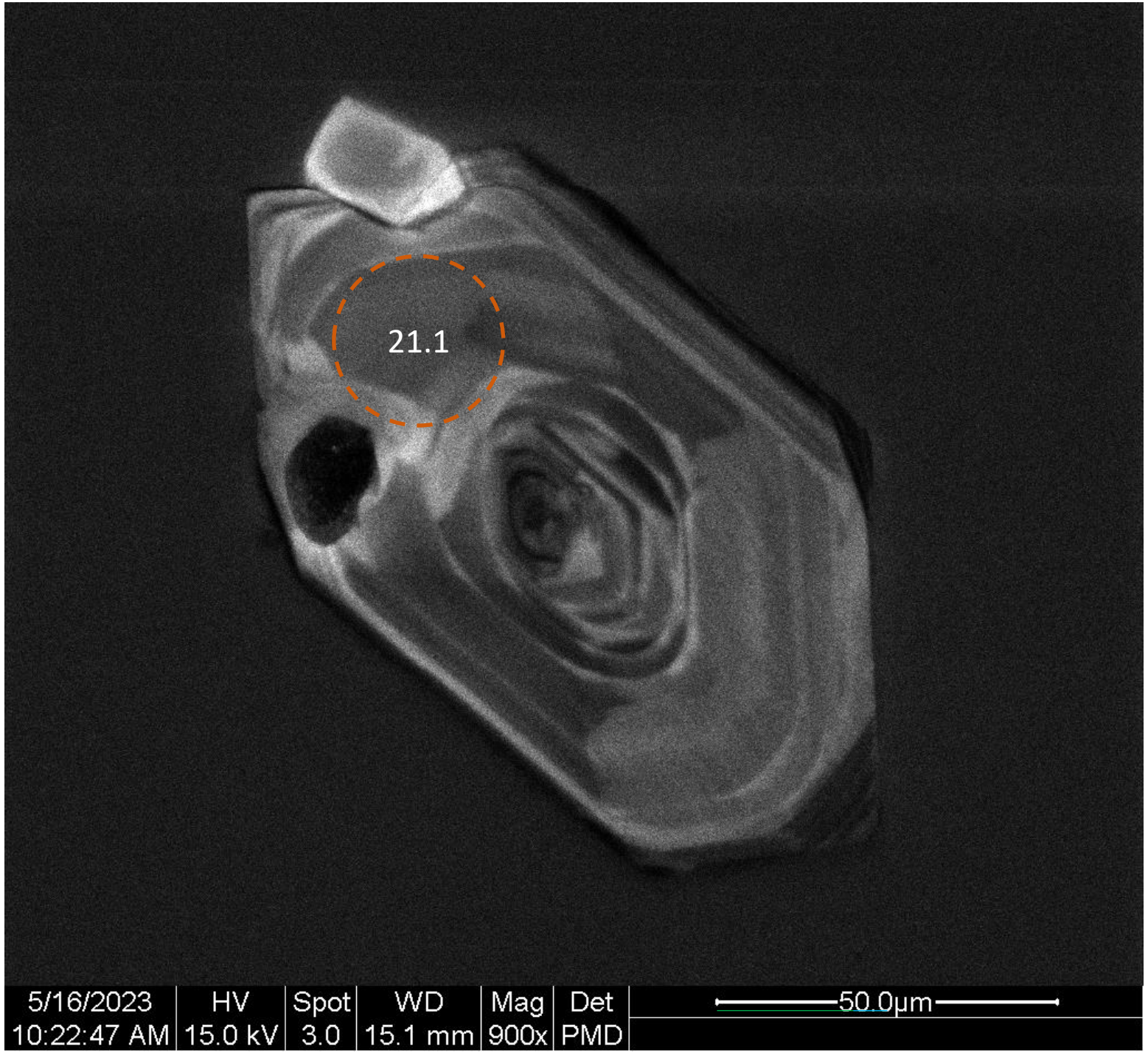
No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_021.tiff

1x U-Pb

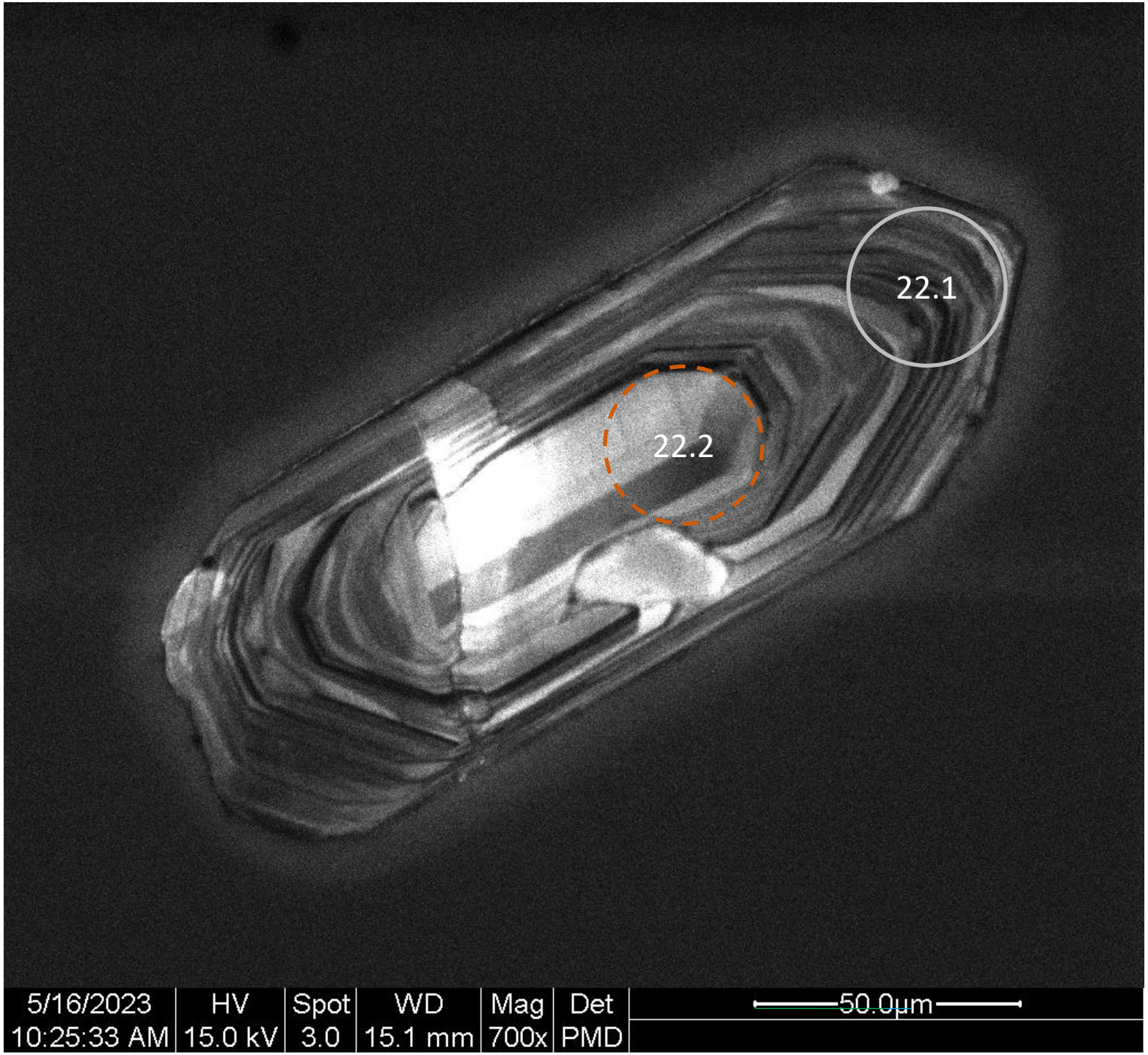
21.1



CG22BG01-B1_CL_022.tiff

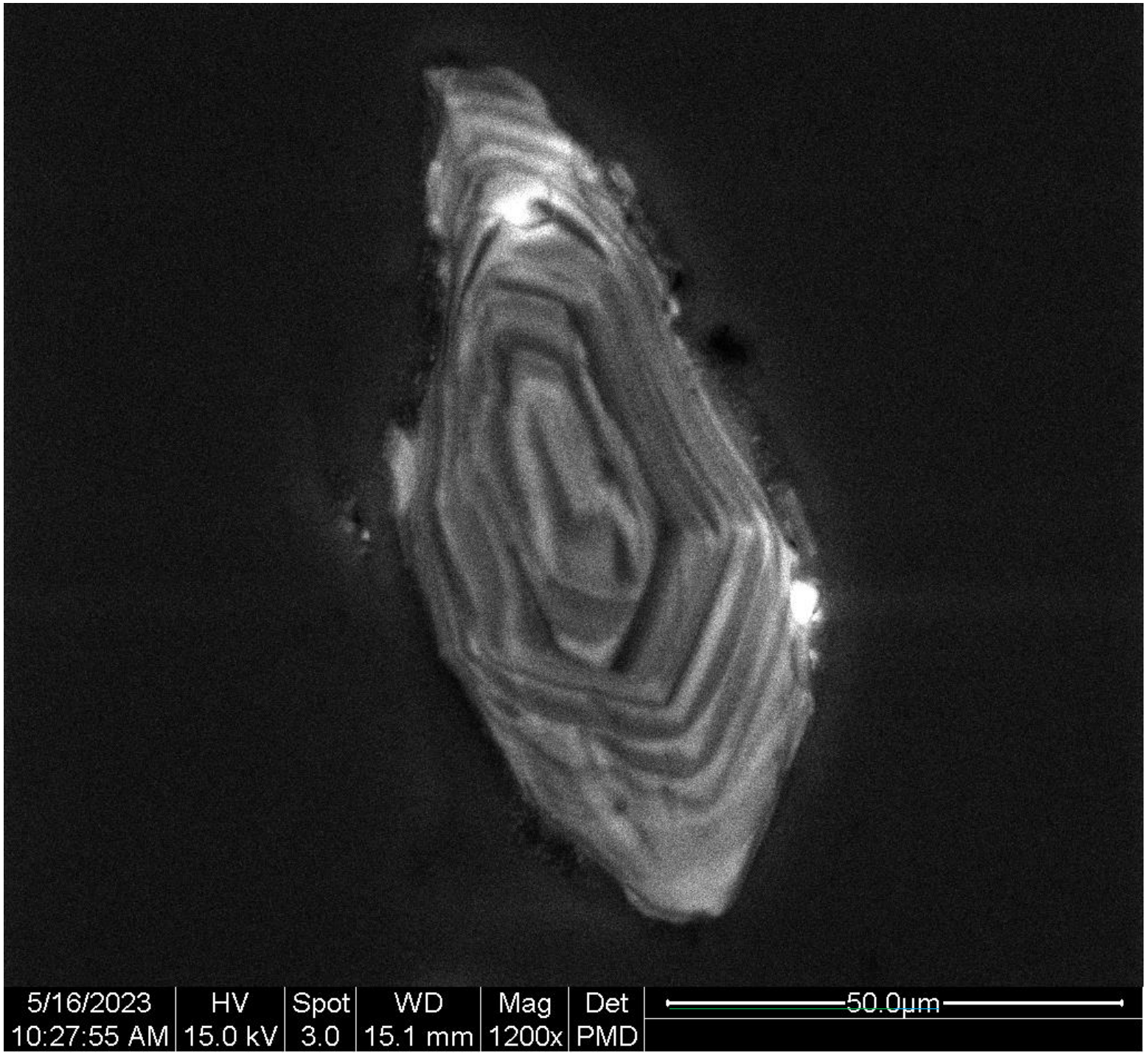
2x U-Pb

22.1, 22.2



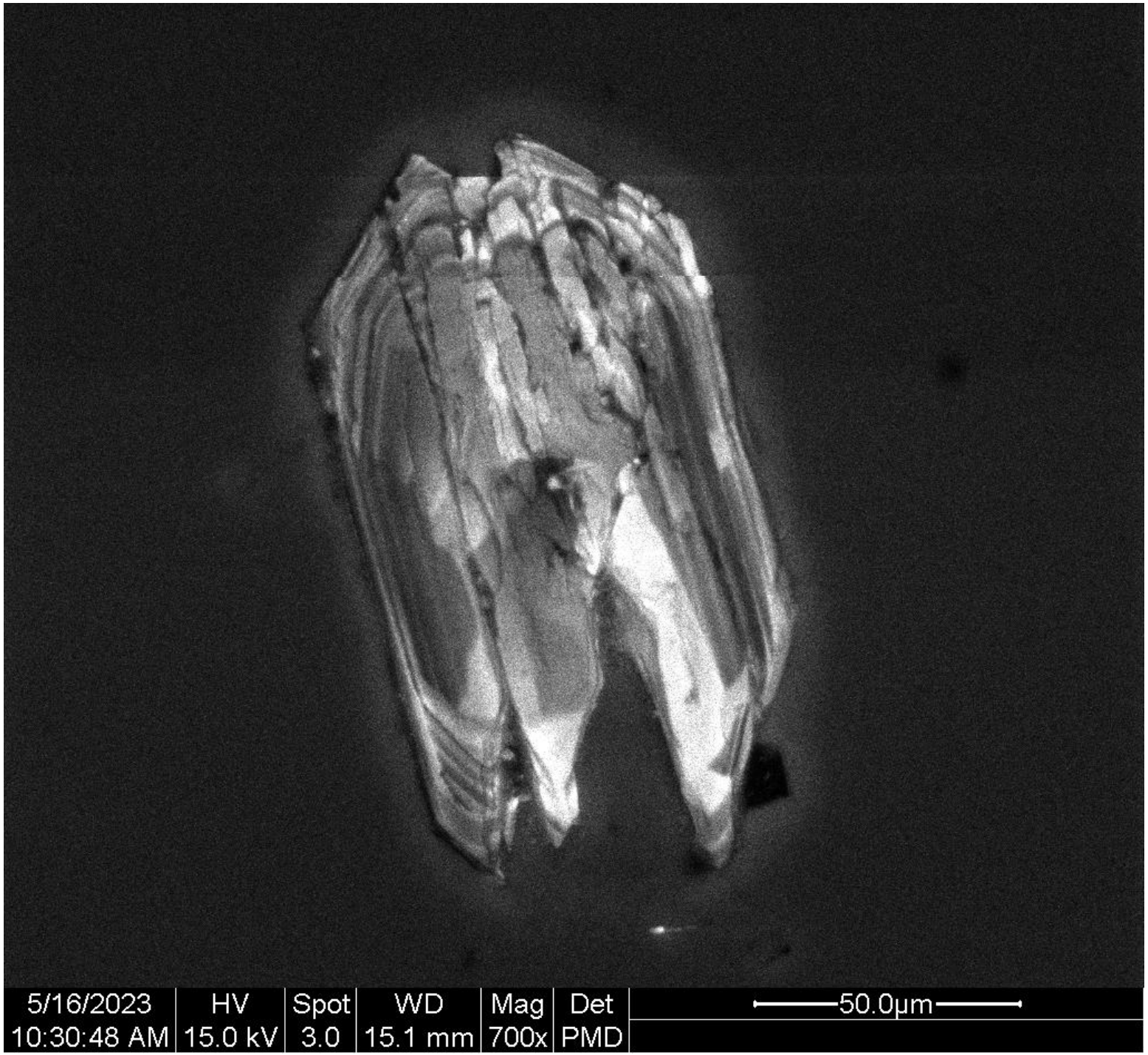
CG22BG01-B1_CL_023.tiff

No analysis, grain is too altered/fractured and lots of zones cutting zones.



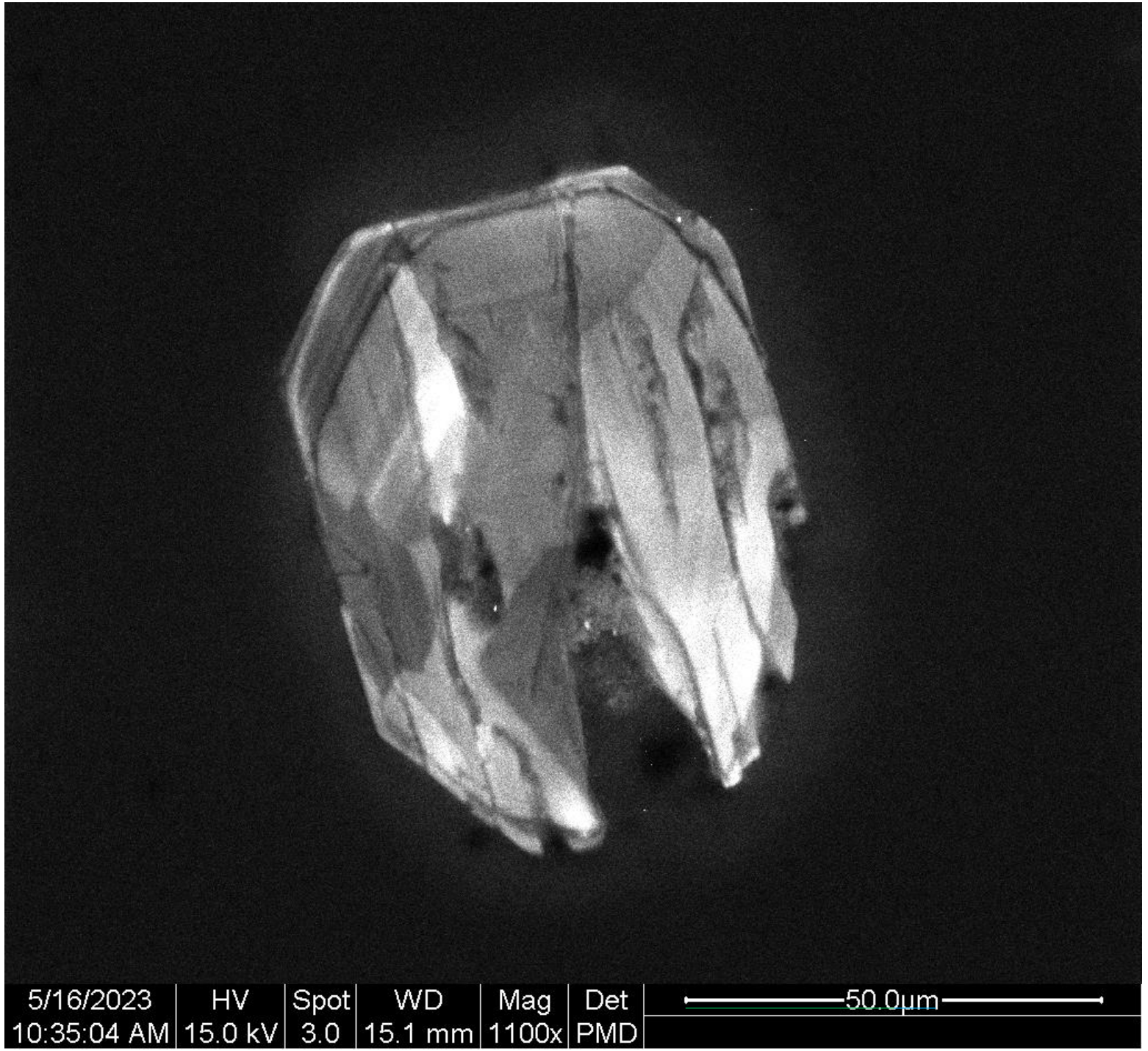
CG22BG01-B1_CL_024.tiff

No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_025.tiff

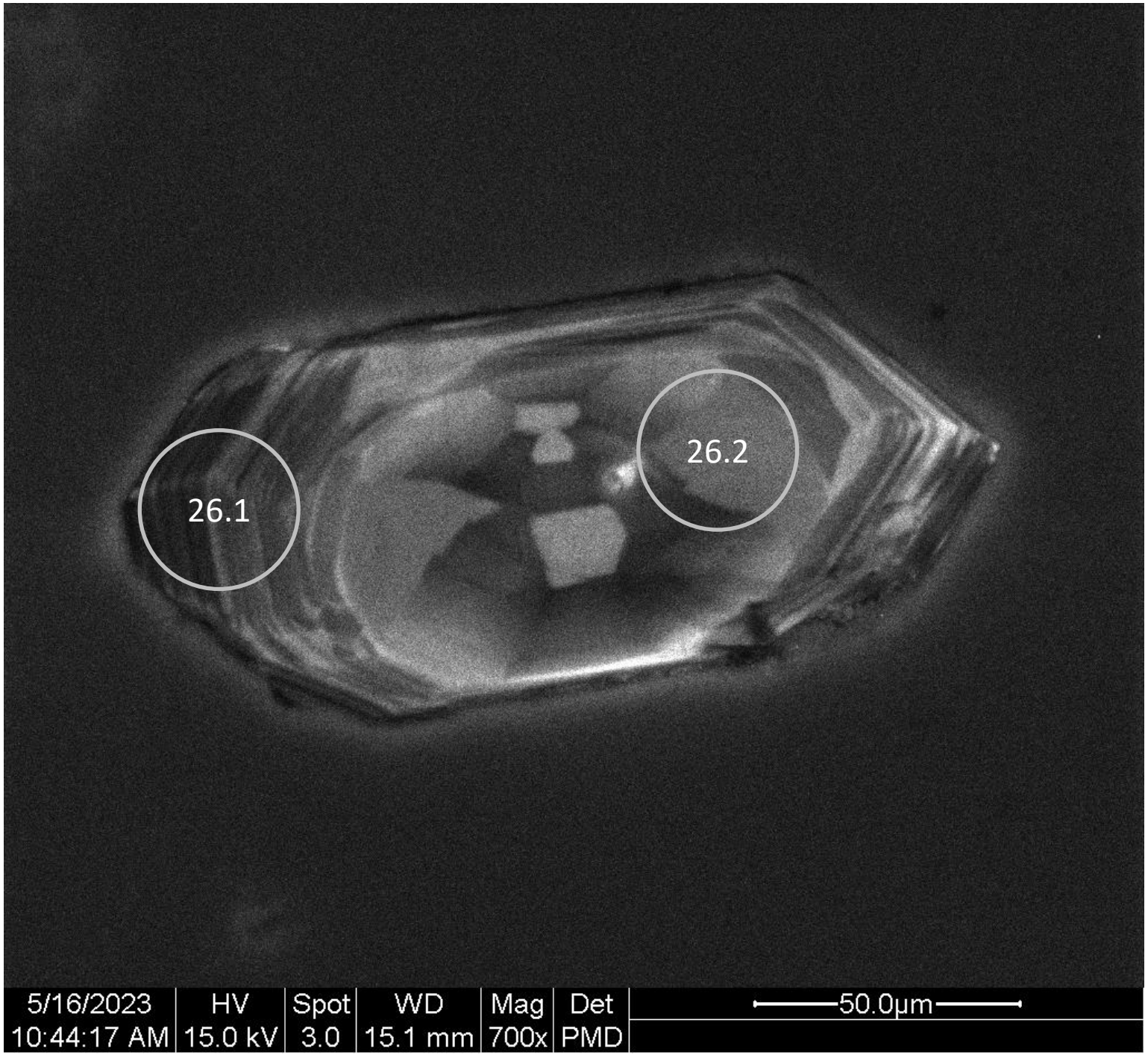
No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_026.tiff

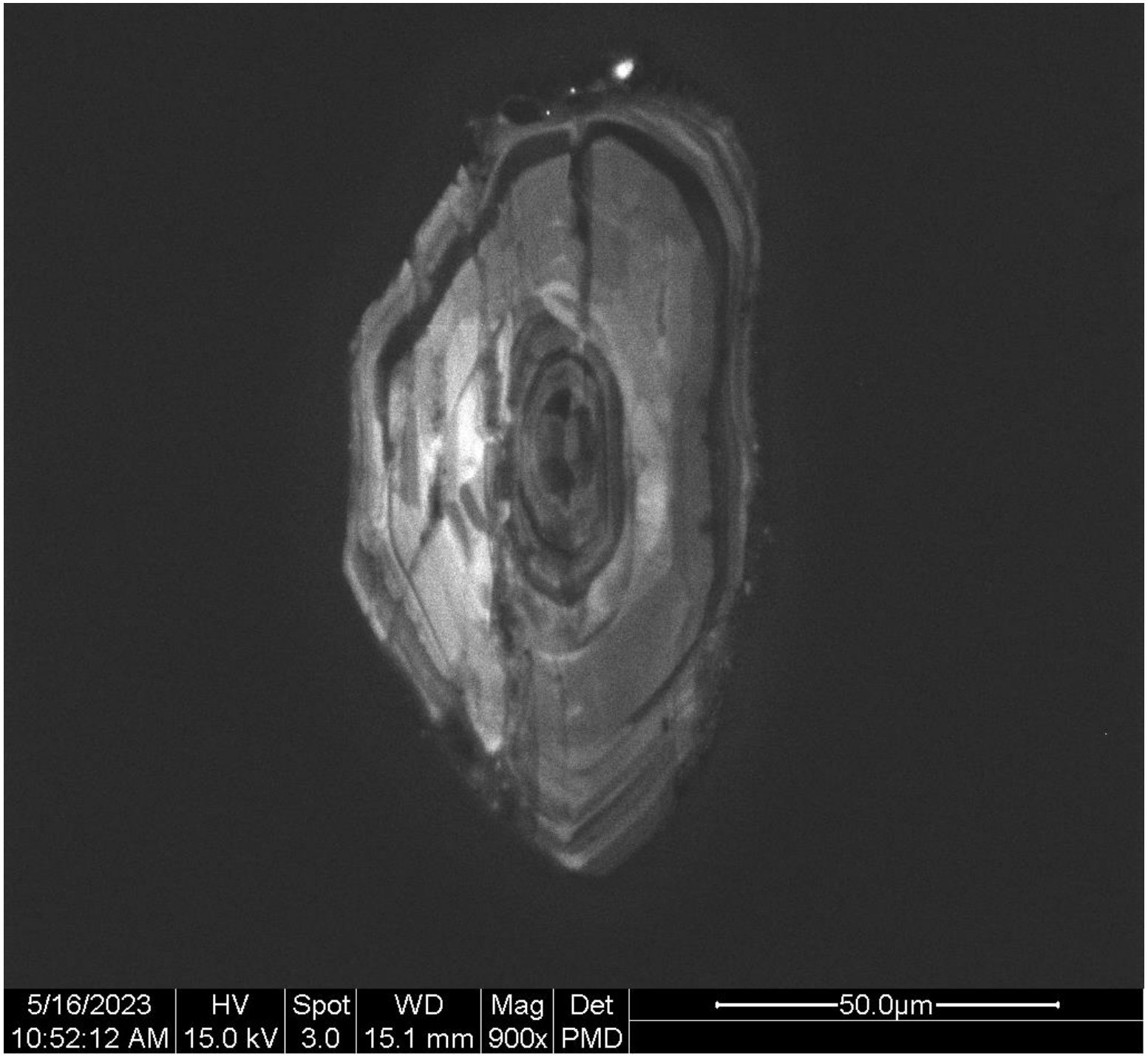
2x U-Pb

26.1, 26.2



CG22BG01-B1_CL_027.tiff

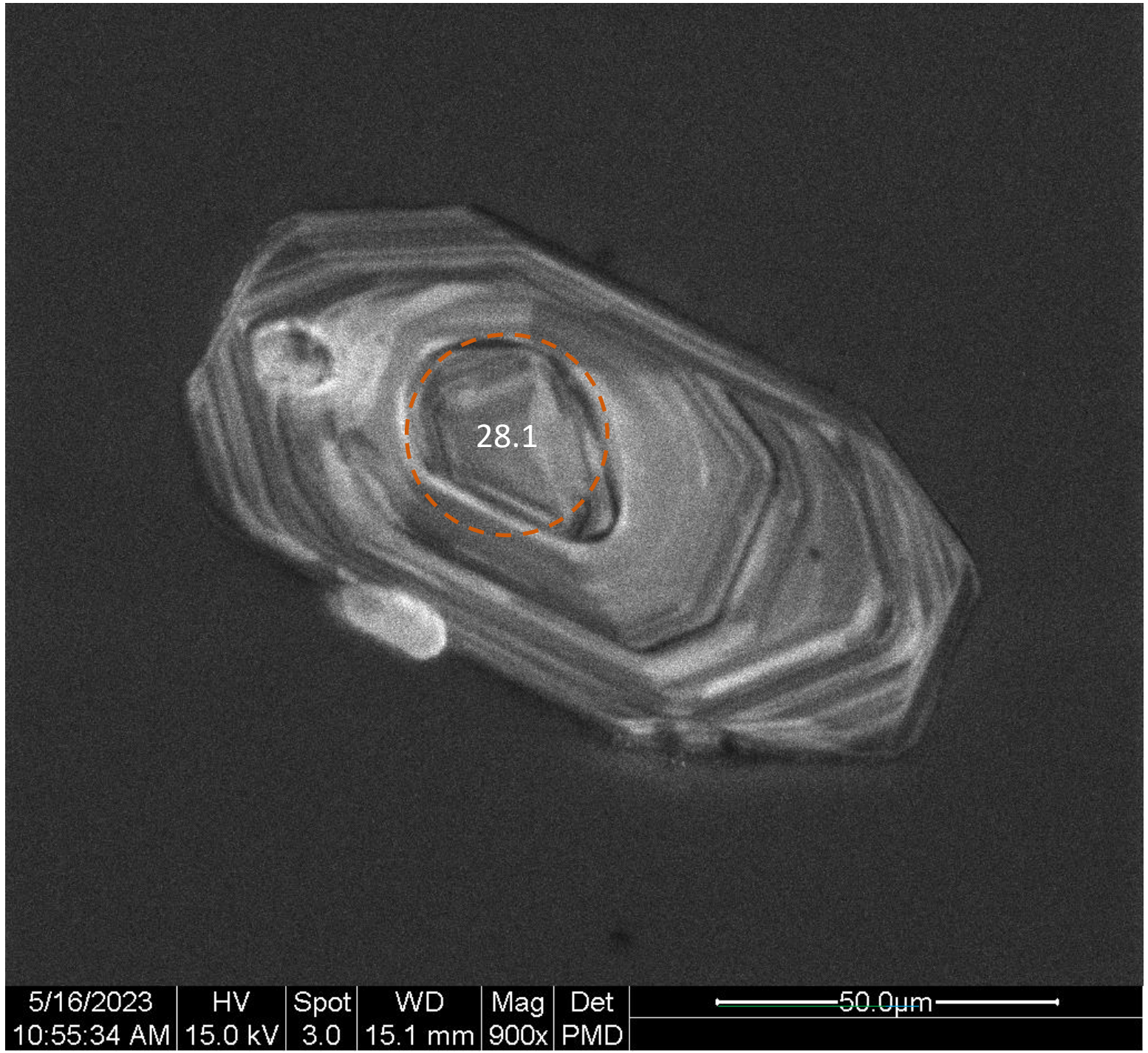
No analysis, grain is too altered/fractured.



CG22BG01-
B1_CL_028.tiff

1x U-Pb

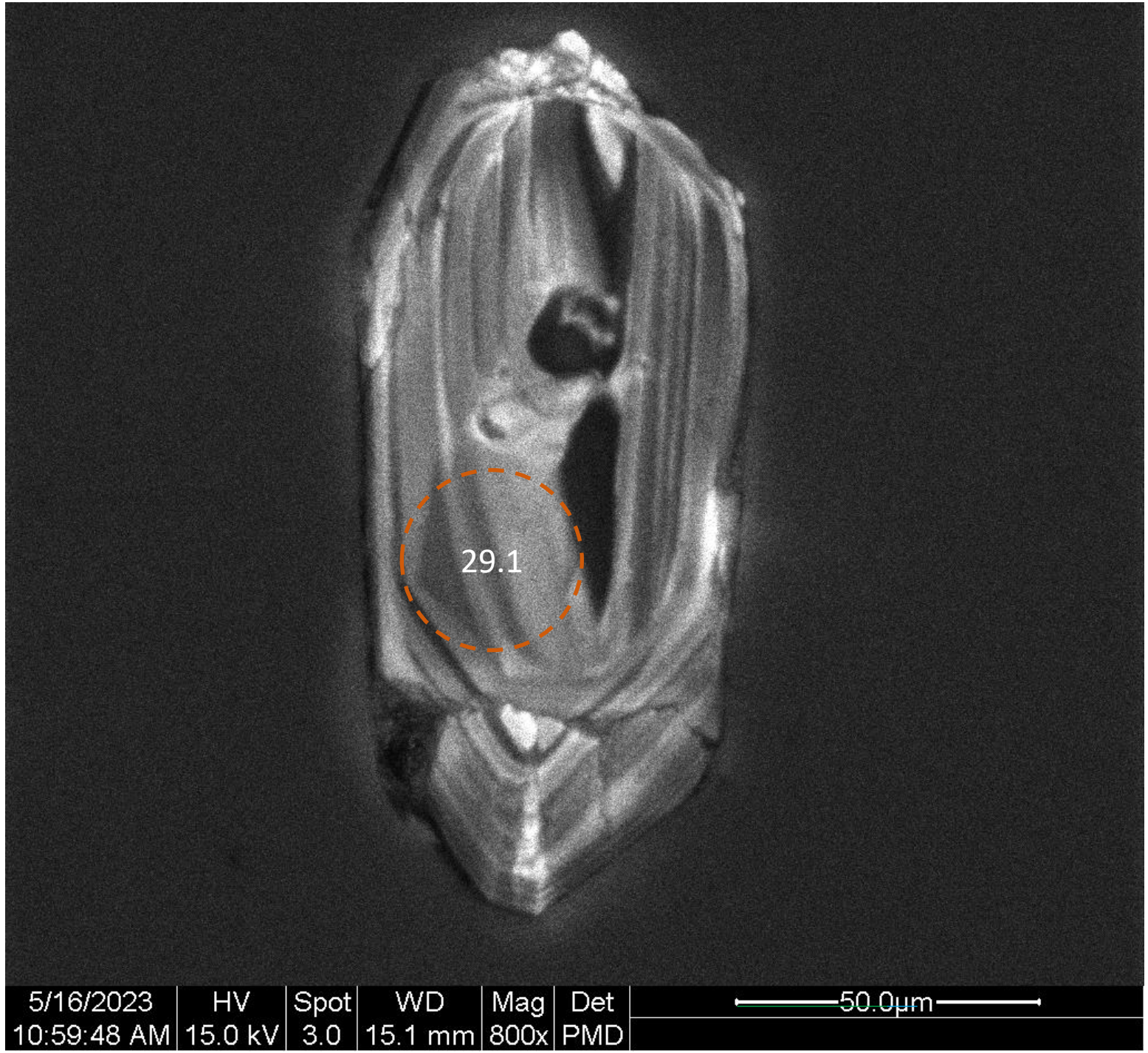
28.1



CG22BG01-
B1_CL_029.tiff

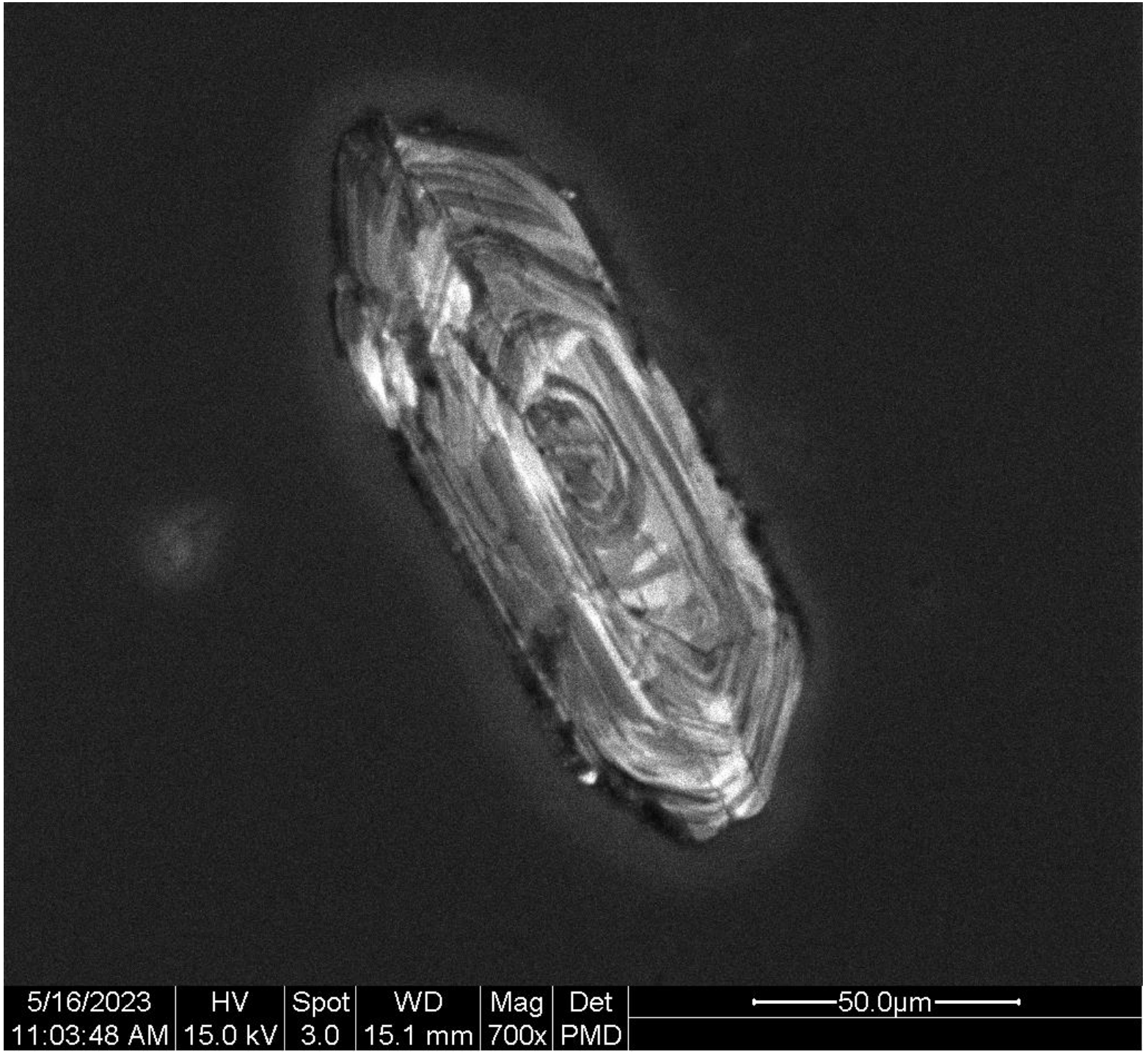
1x U-Pb

29.1



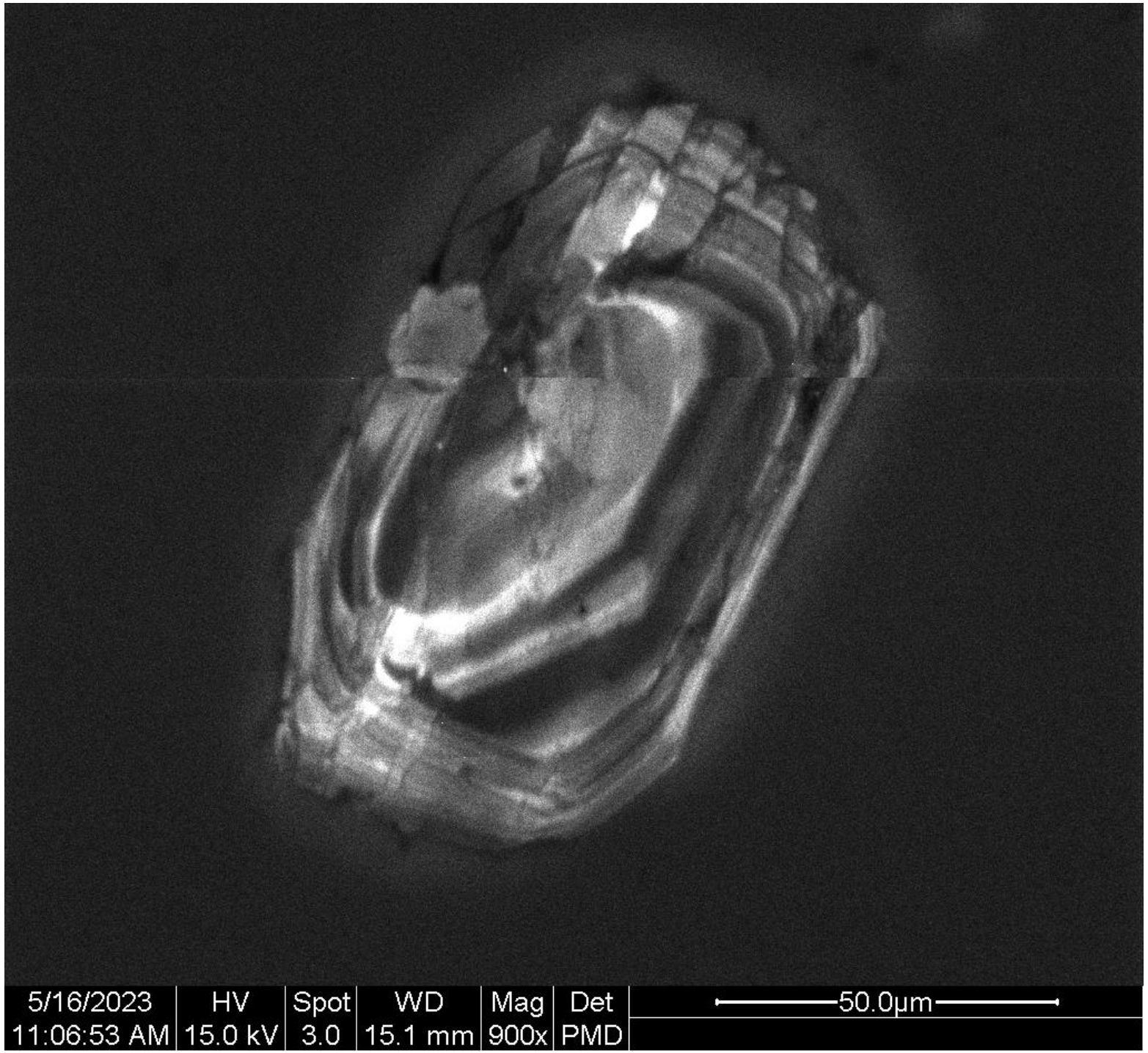
CG22BG01-B1_CL_030.tiff

No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_031.tiff

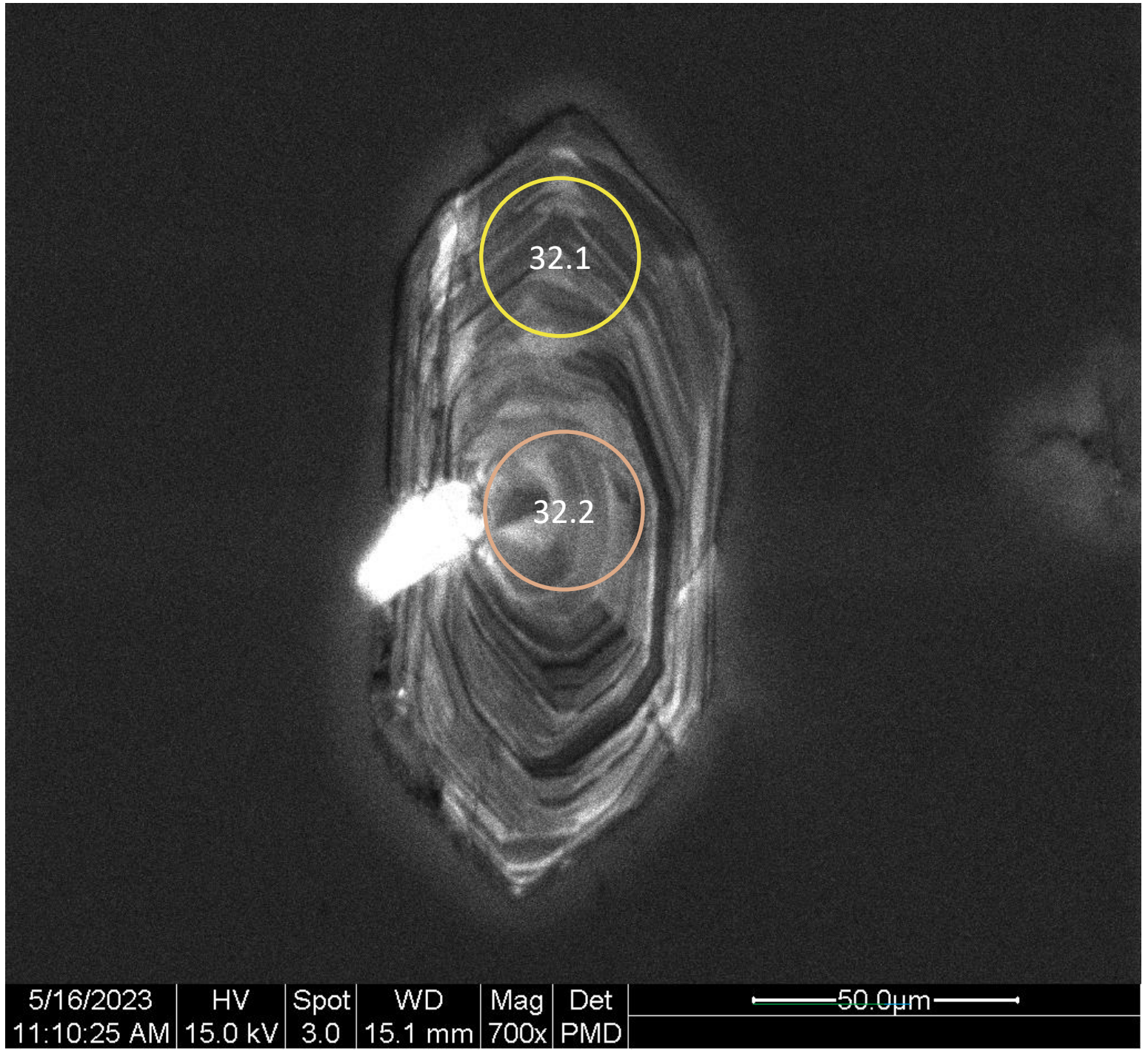
No analysis, grain is too altered/fractured.



CG22BG01-
B1_CL_032.tiff

2x U-Pb

32.1, 32.2



CG22BG01-B1_CL_033.tiff

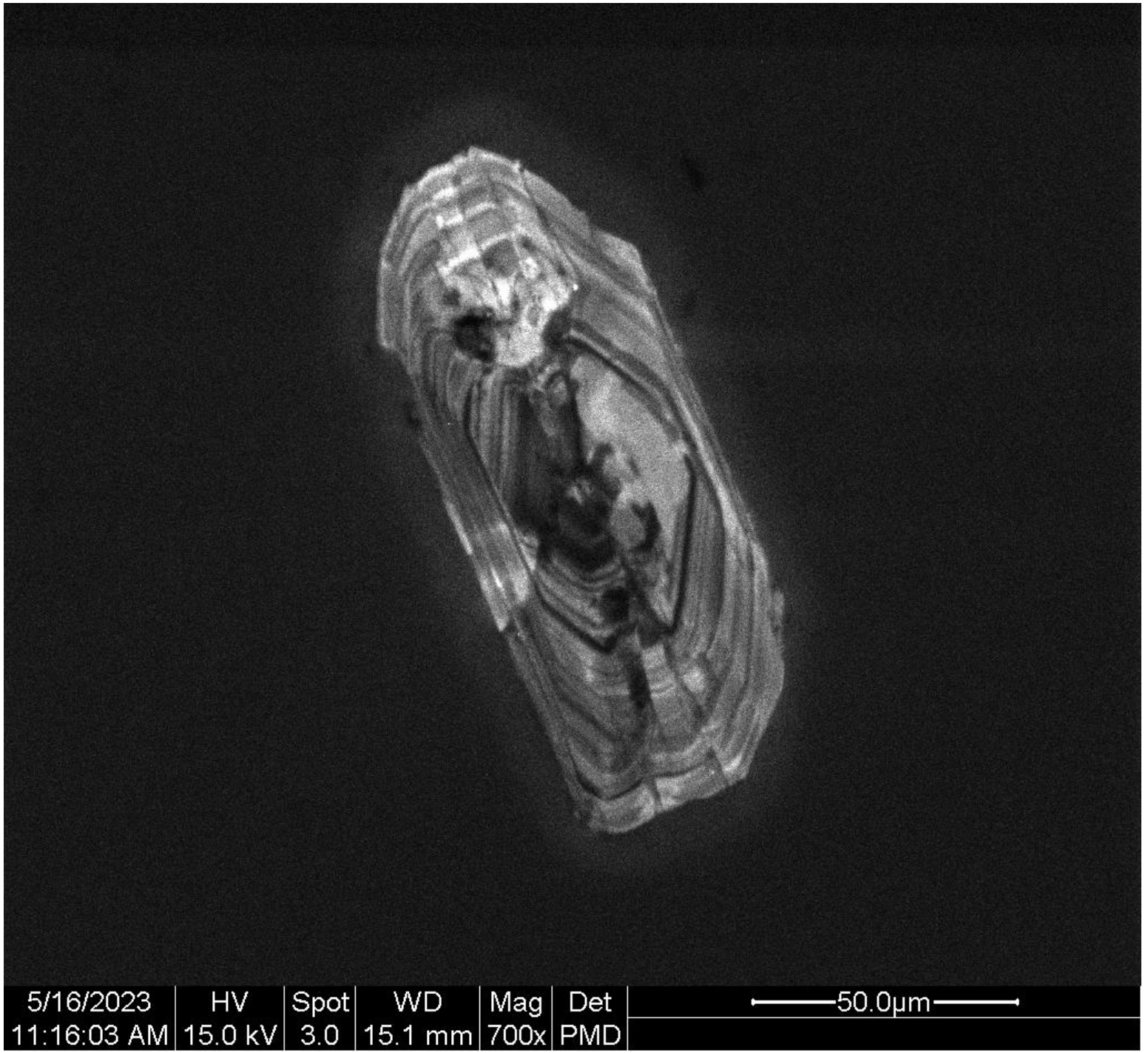
1x U-Pb

33.1



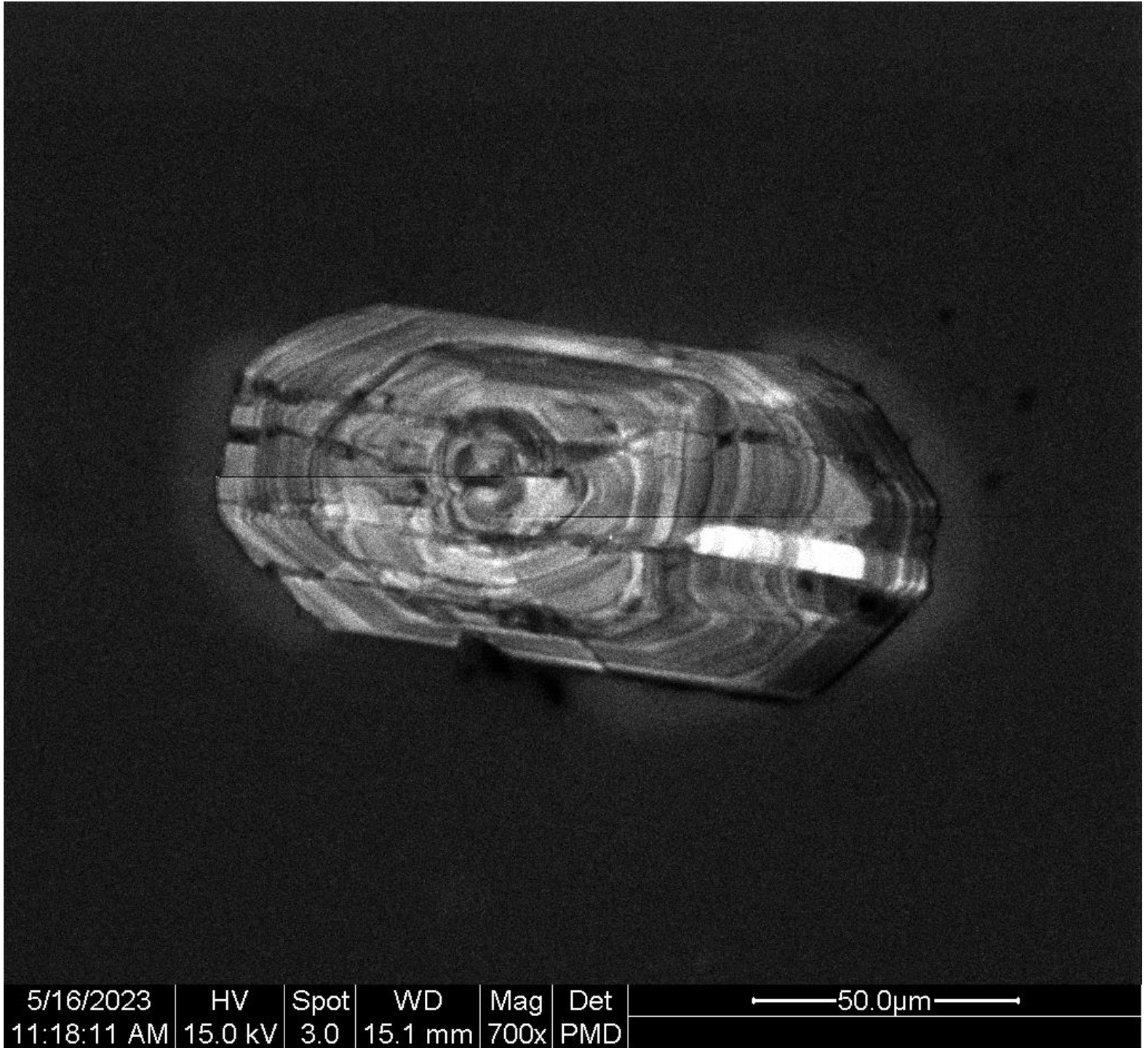
CG22BG01-B1_CL_034.tiff

No analysis, grain is too altered/fractured.



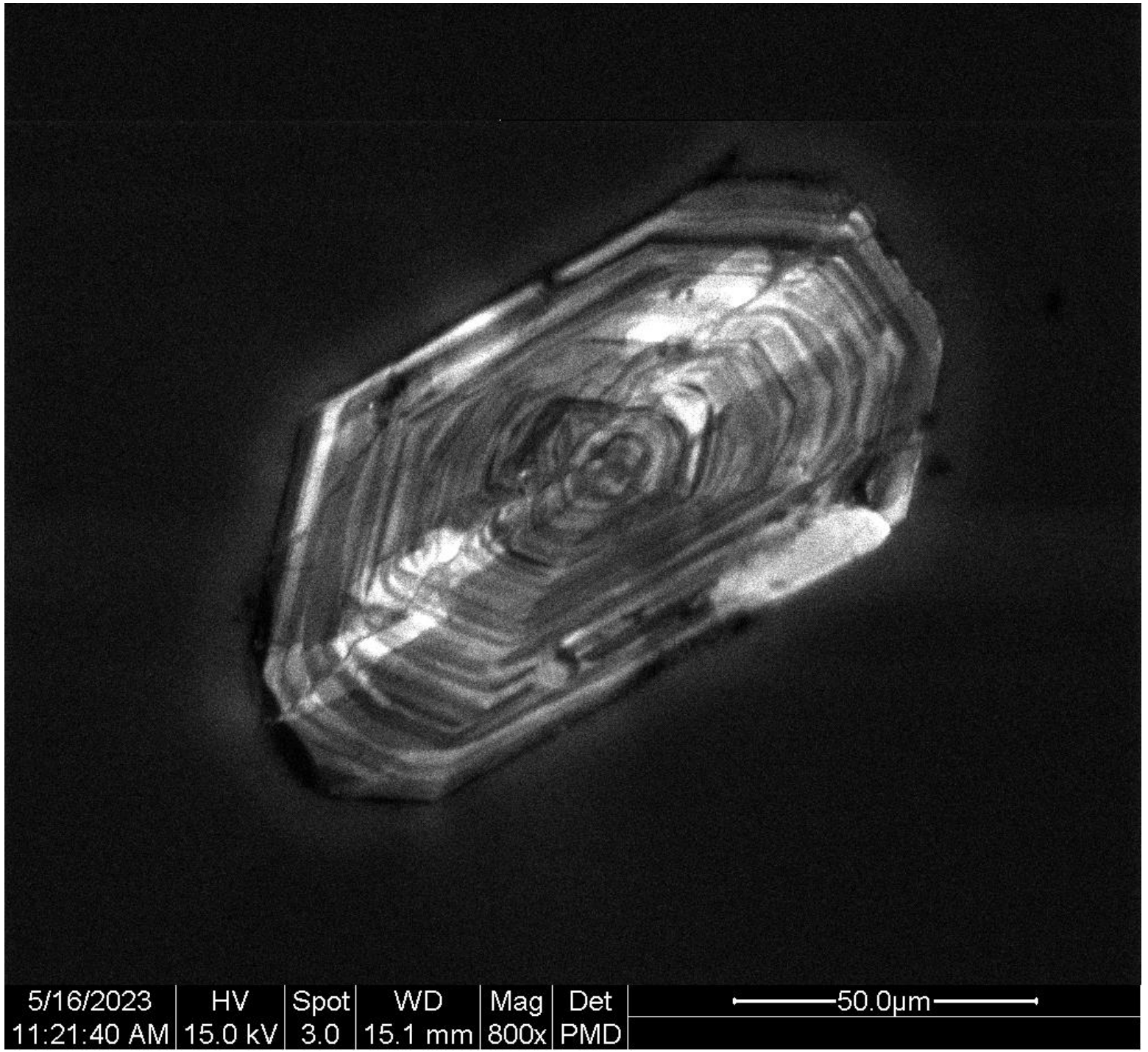
CG22BG01-B1_CL_035.tiff

No analysis, grain is too altered//fractured



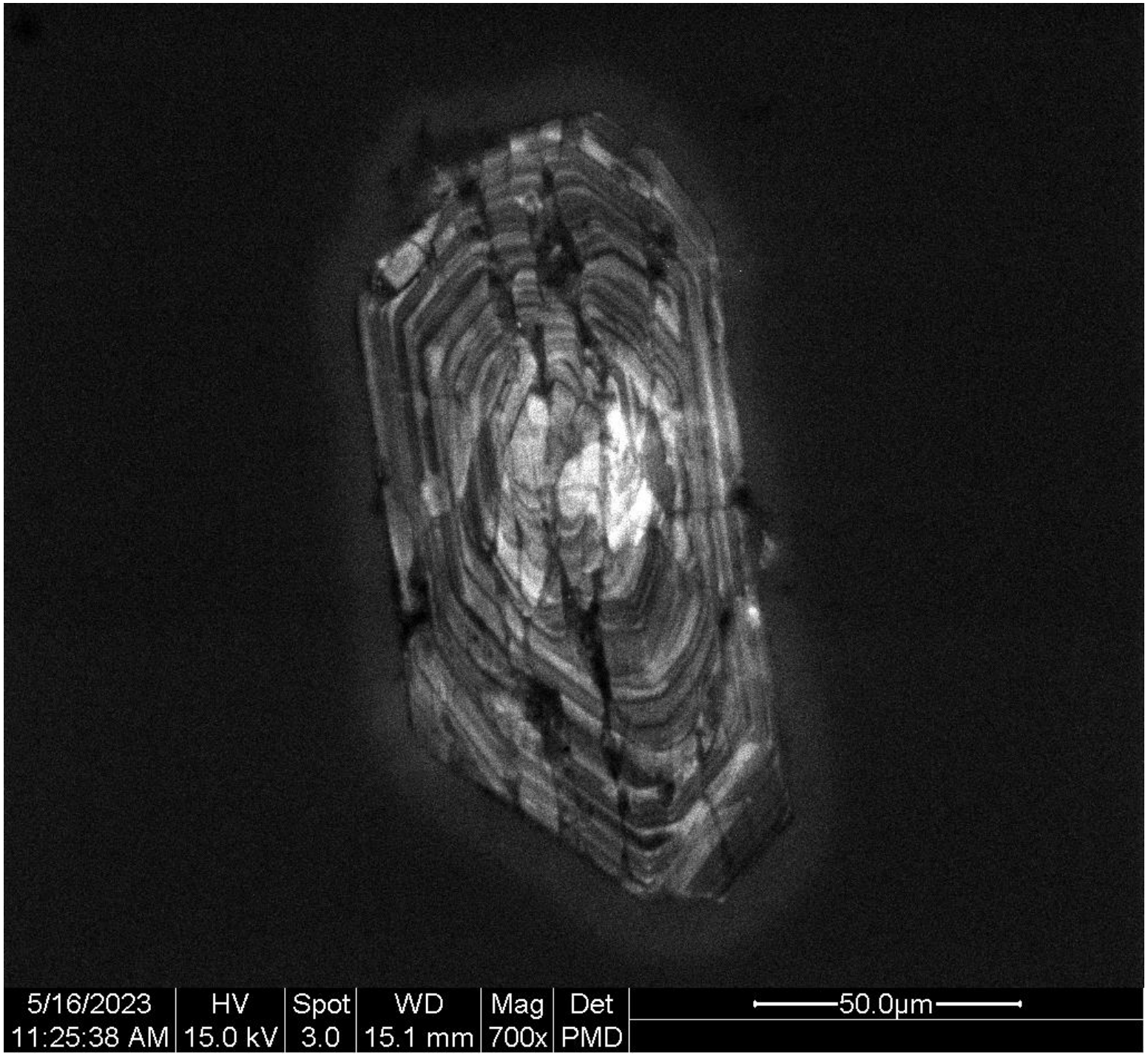
CG22BG01-B1_CL_036.tiff

No analysis, grain is too altered/fractured.



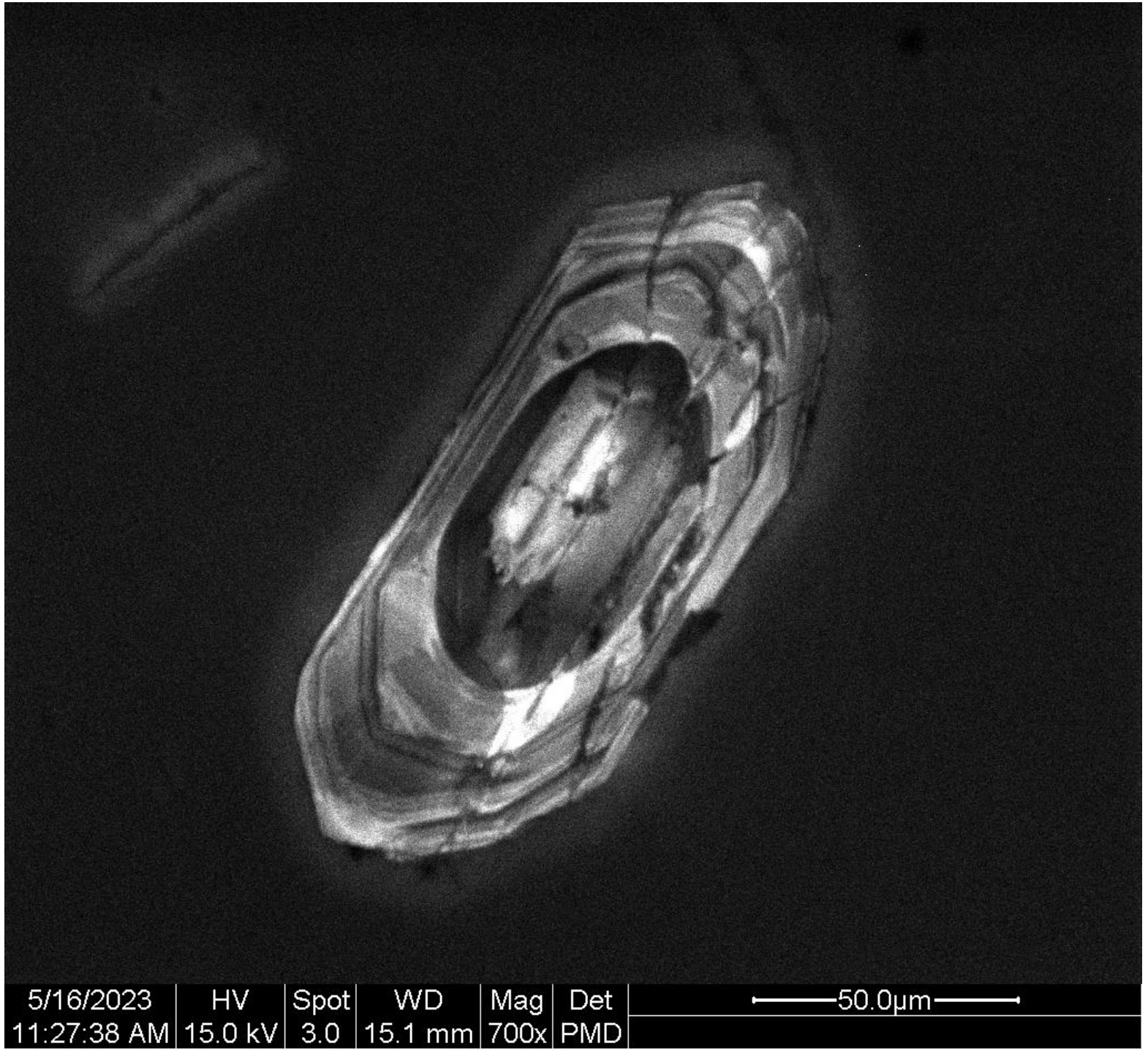
CG22BG01-B1_CL_037.tiff

No analysis, grain is too altered/fractured.



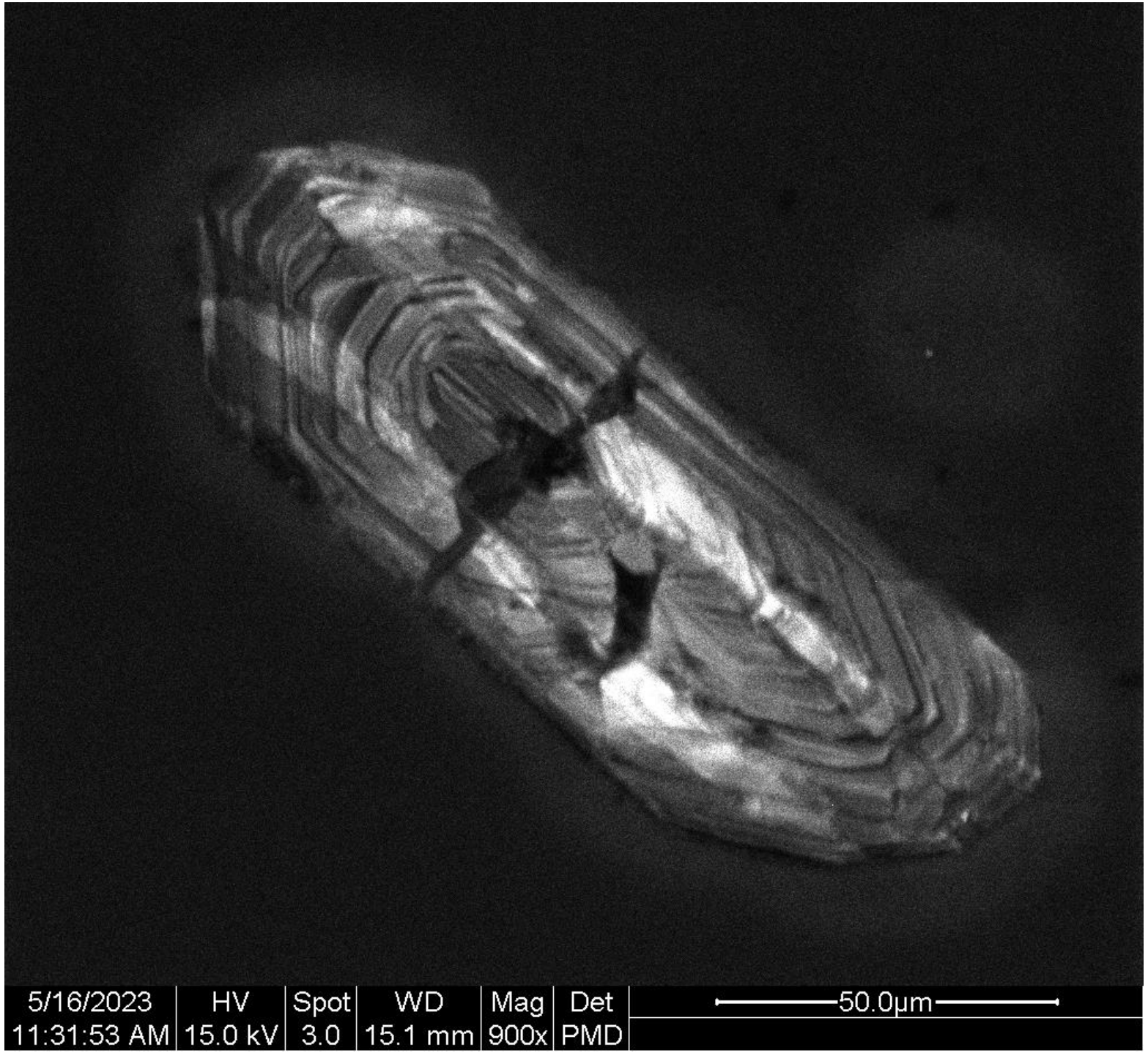
CG22BG01-B1_CL_038.tiff

No analysis, grain is too altered/fractured.



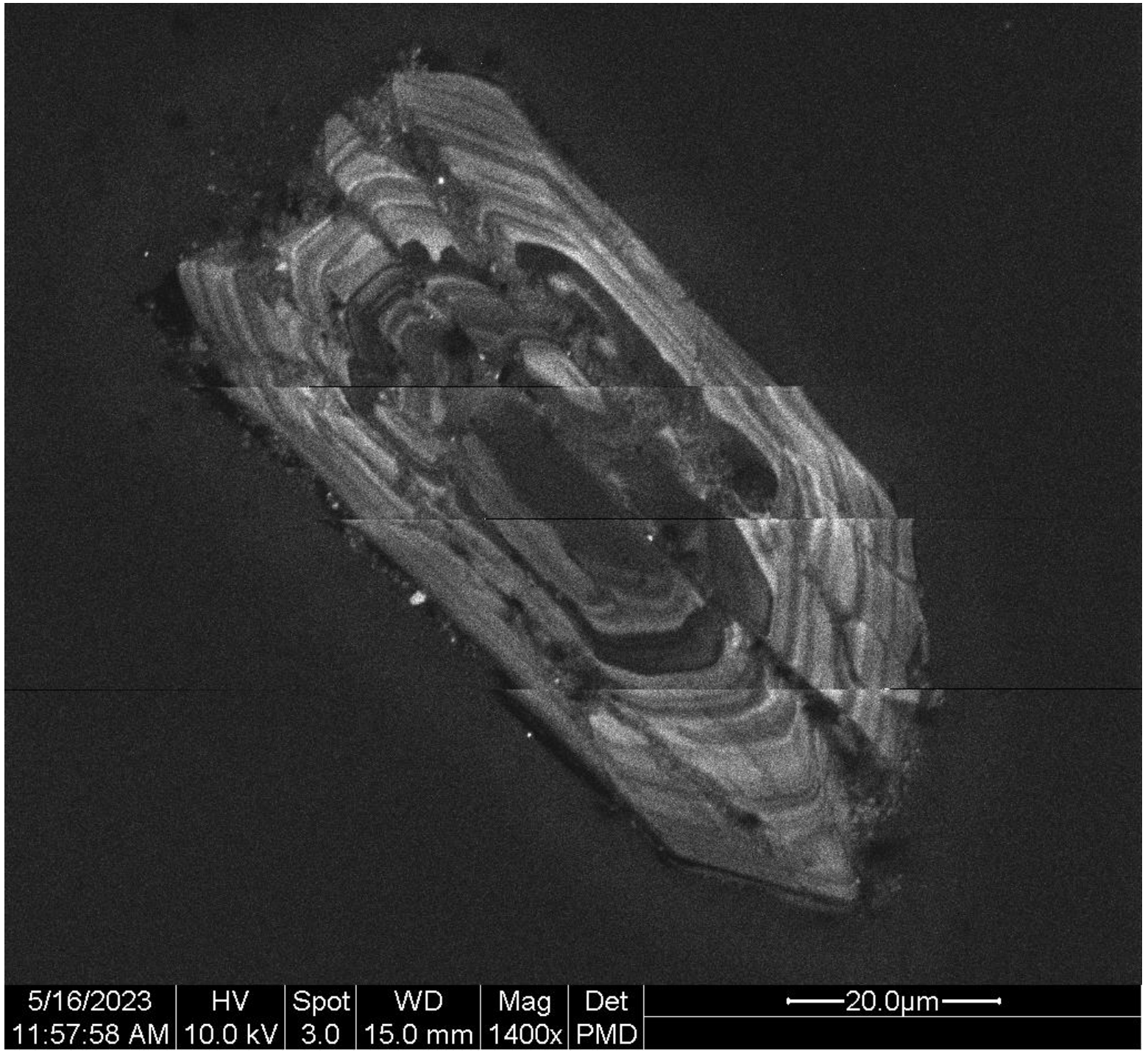
CG22BG01-B1_CL_039.tiff

No analysis, grain is too altered/fractured.



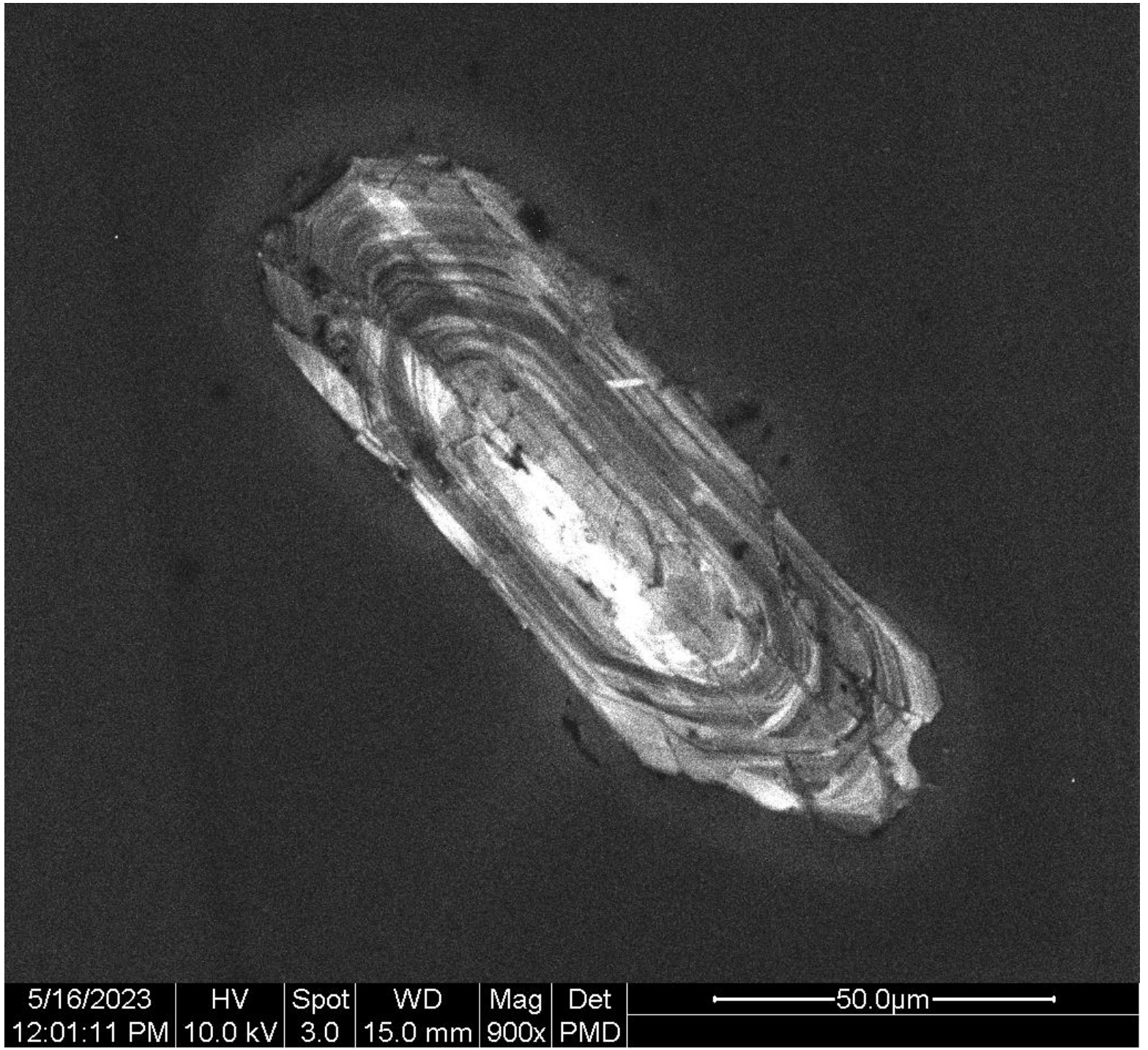
CG22BG01-B1_CL_040.tiff

No analysis, grain is too altered/fractured.



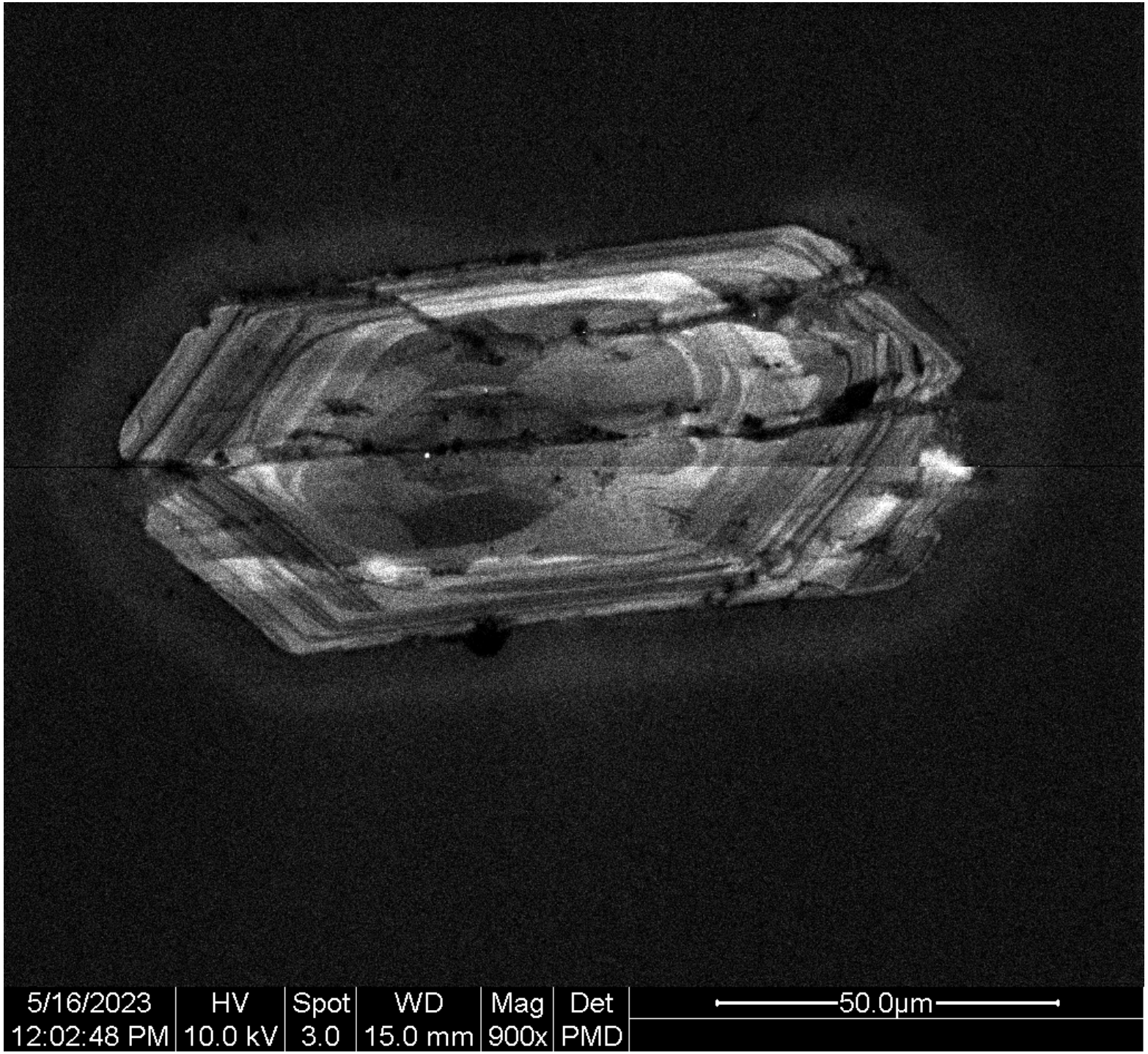
CG22BG01-B1_CL_041.tiff

No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_042.tiff

No analysis, grain is too altered/fractured.



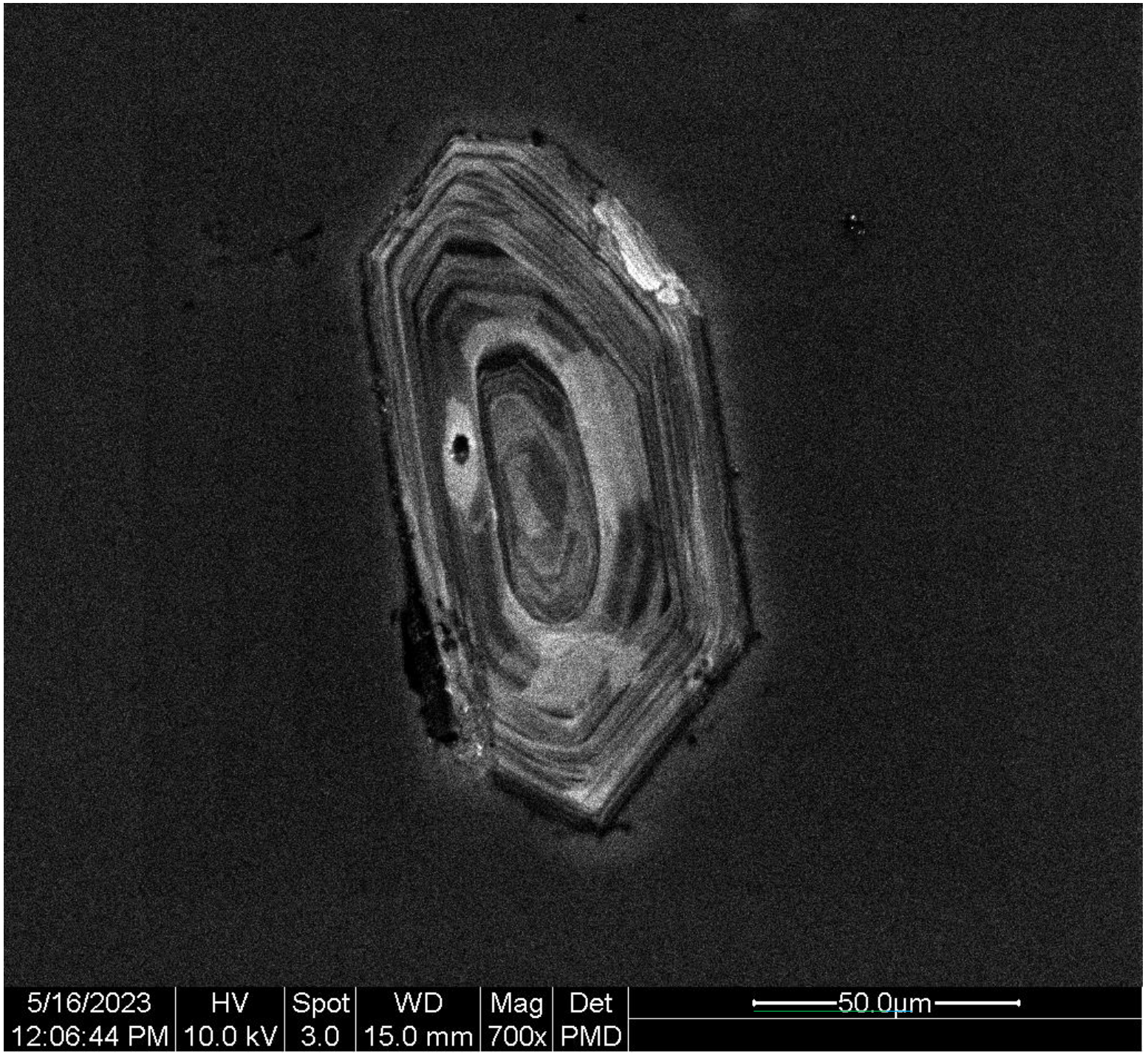
CG22BG01-B1_CL_043.tiff

No analysis, grain is too altered/fractured and zones are too narrow/small for 30 micron laser spot.



CG22BG01-B1_CL_044.tiff

Zones are too small for a laser spot! There's also lots of overlapping/cross cutting of different zones/alteration/ Pb loss.



CG22BG01-B1_CL_045.tiff

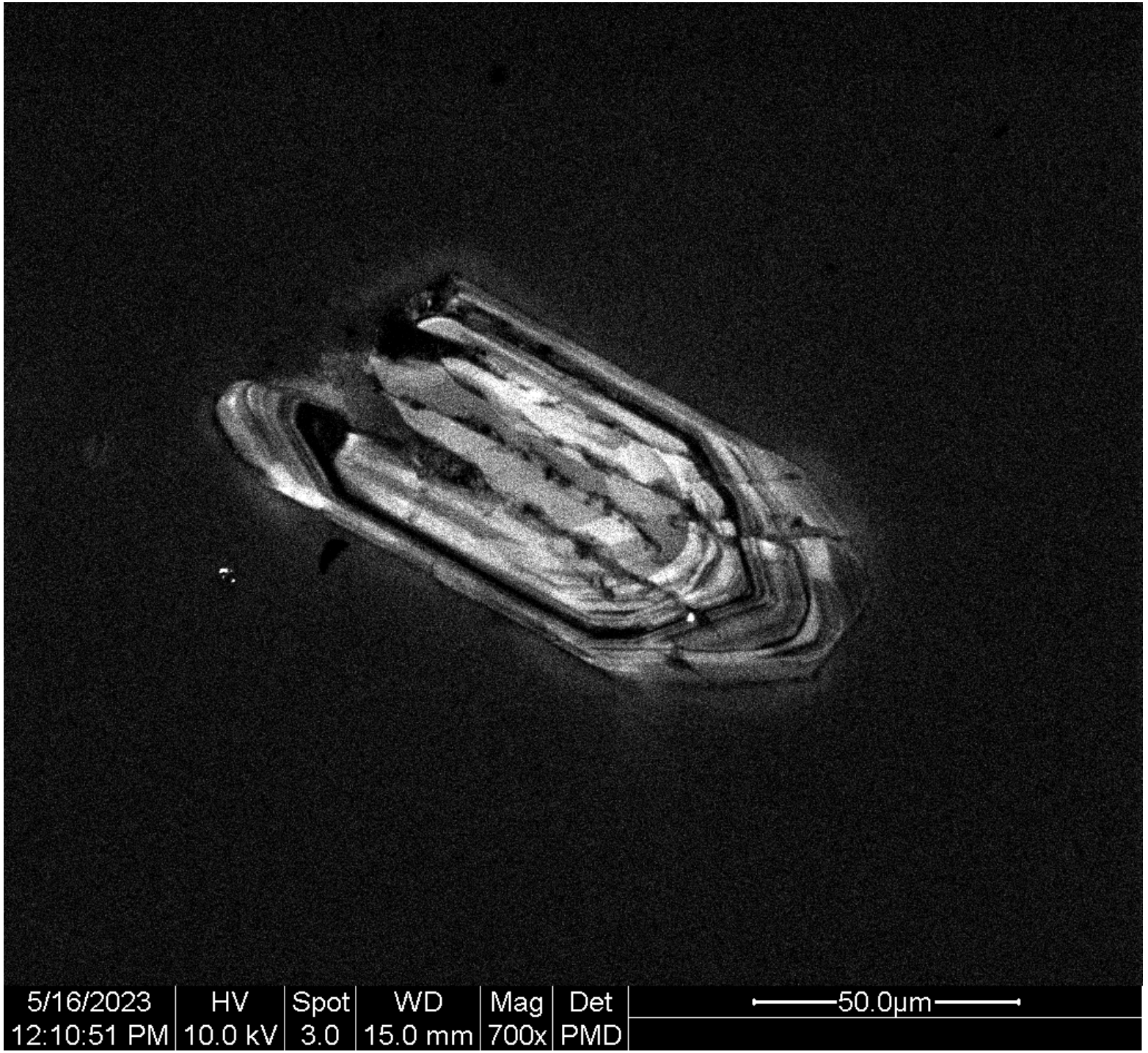
2x U-Pb

45.1, 45.2



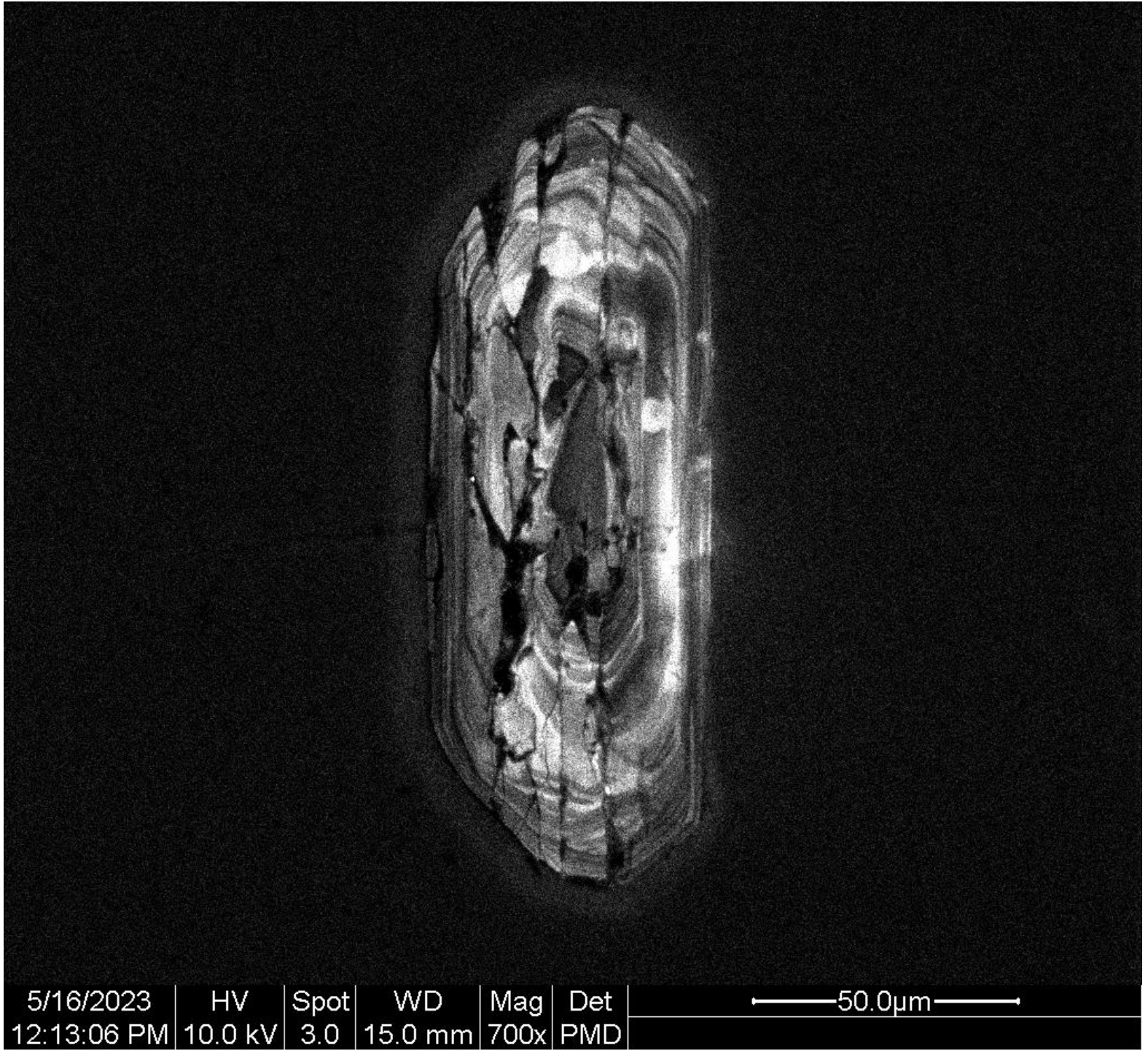
CG22BG01-B1_CL_046.tiff

No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_047.tiff

No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_048.tiff

2x U-Pb

48.1, 48.2



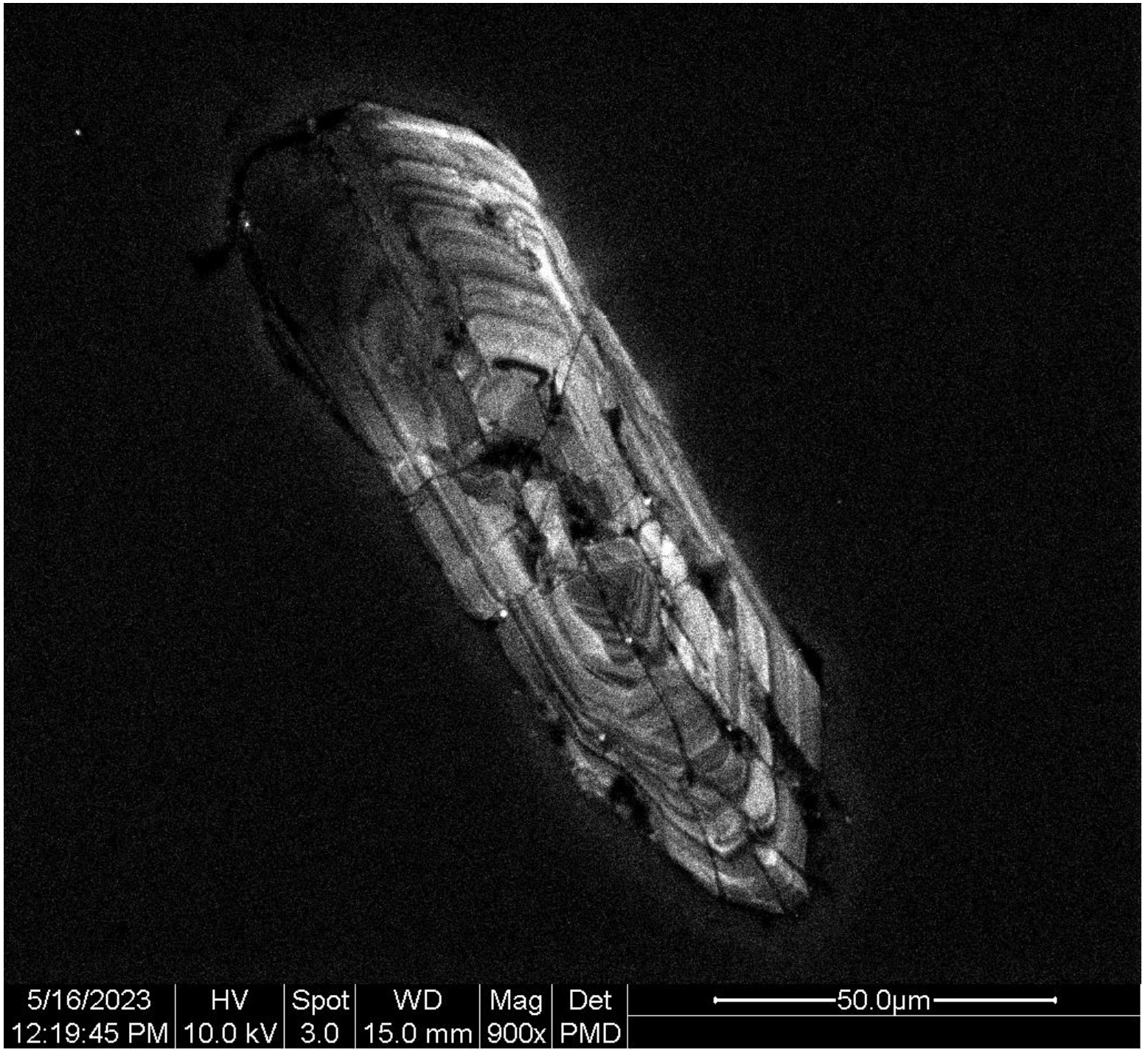
CG22BG01-B1_CL_049.tiff

No analysis, grain is too altered/fractured.



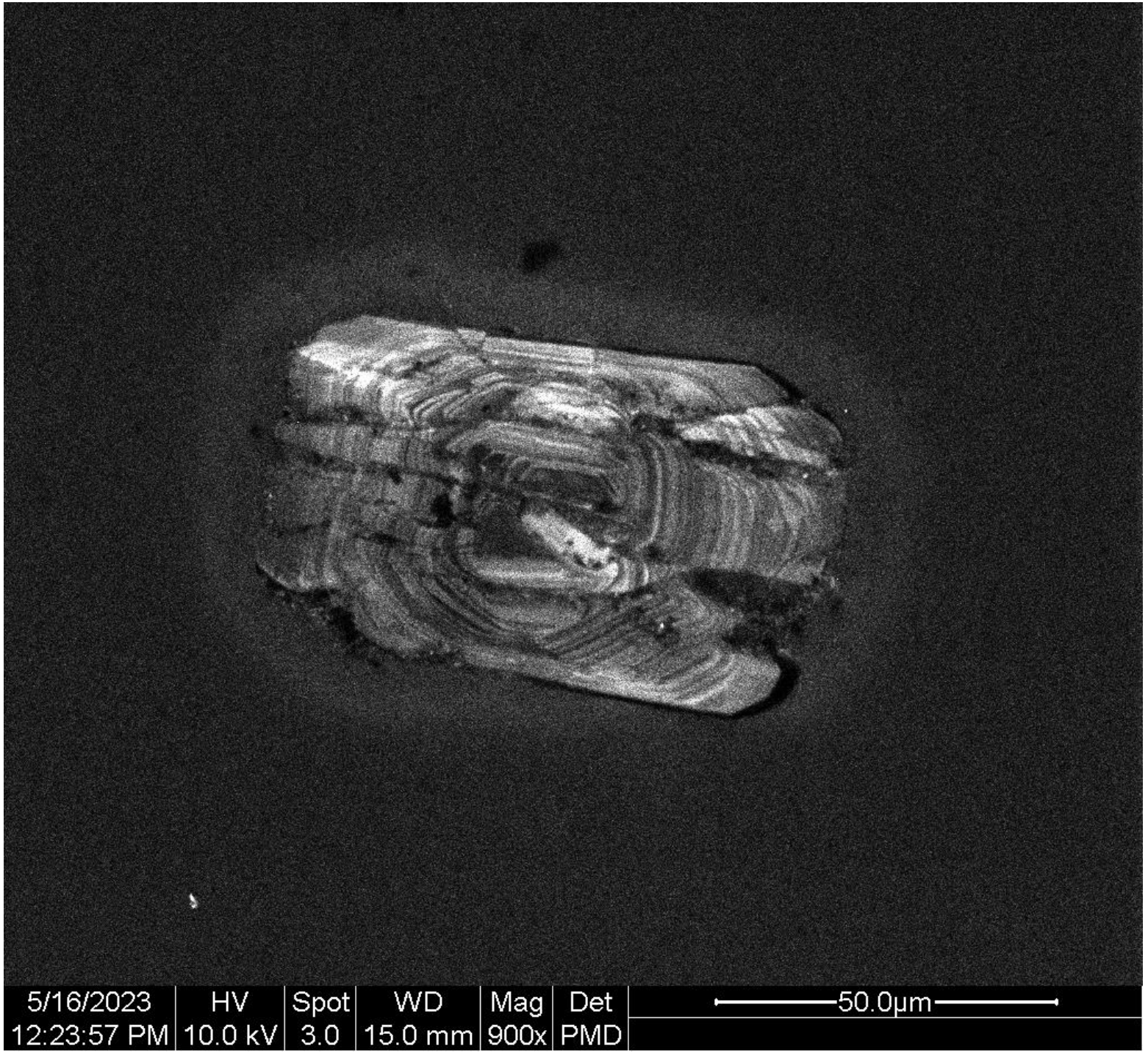
CG22BG01-B1_CL_050.tiff

No analysis, grain is too altered/fractured.



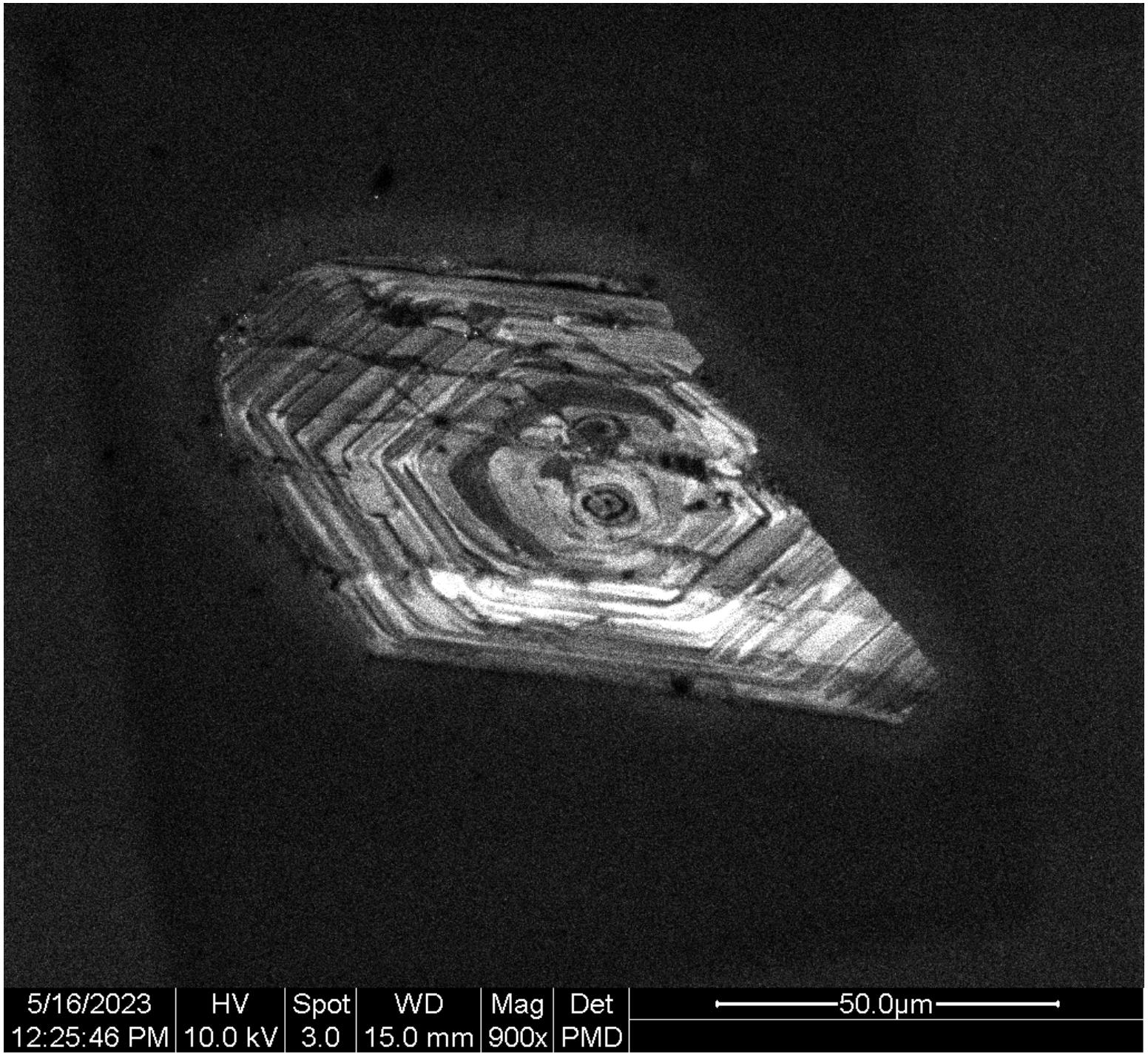
CG22BG01-B1_CL_051.tiff

No analysis, grain is too altered/fractured.



CG22BG01-B1_CL_052.tiff

No analysis, grain is too altered/fractured.

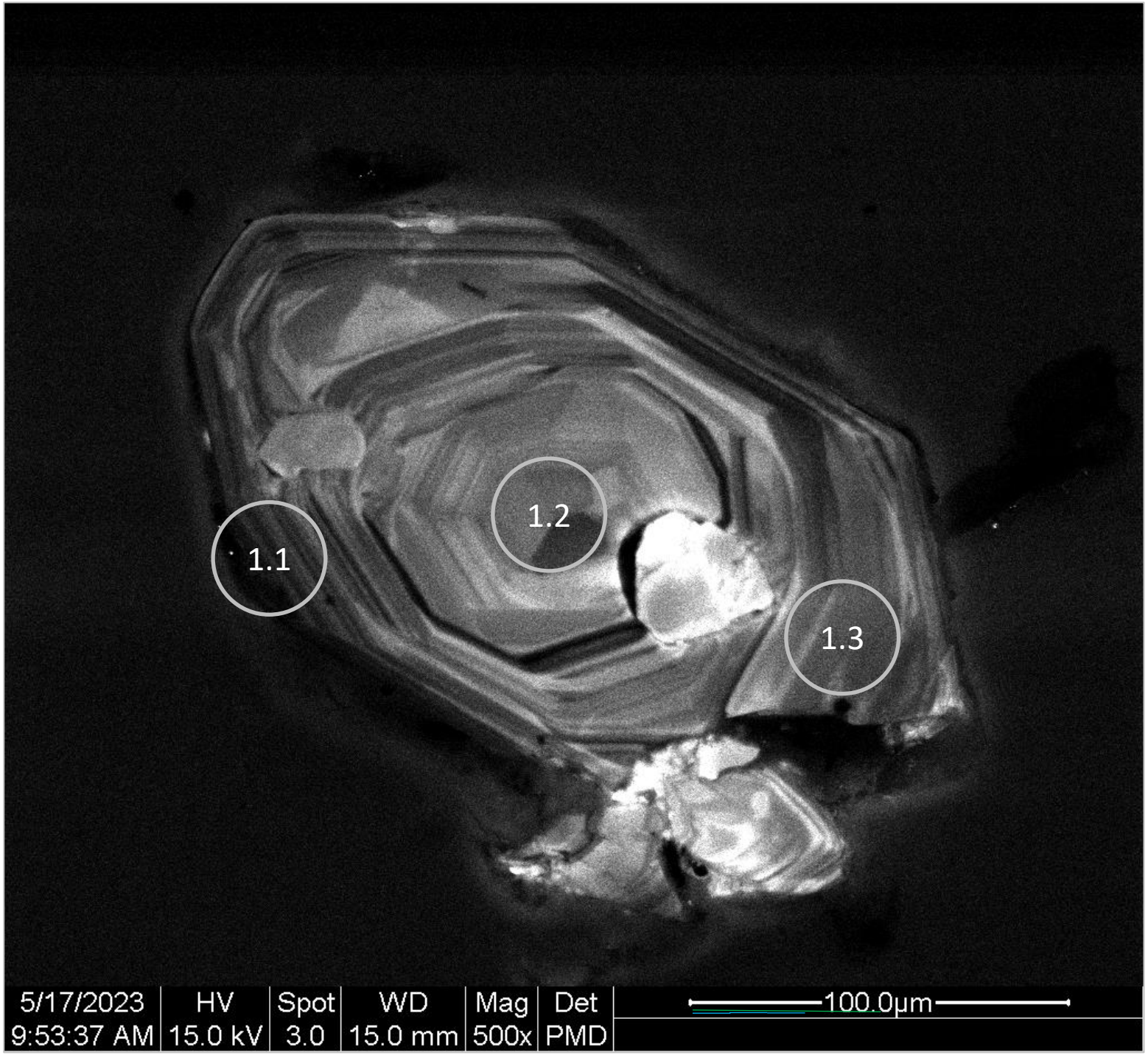


BG01_b2

CM22BG01-B2_CL_001.tiff

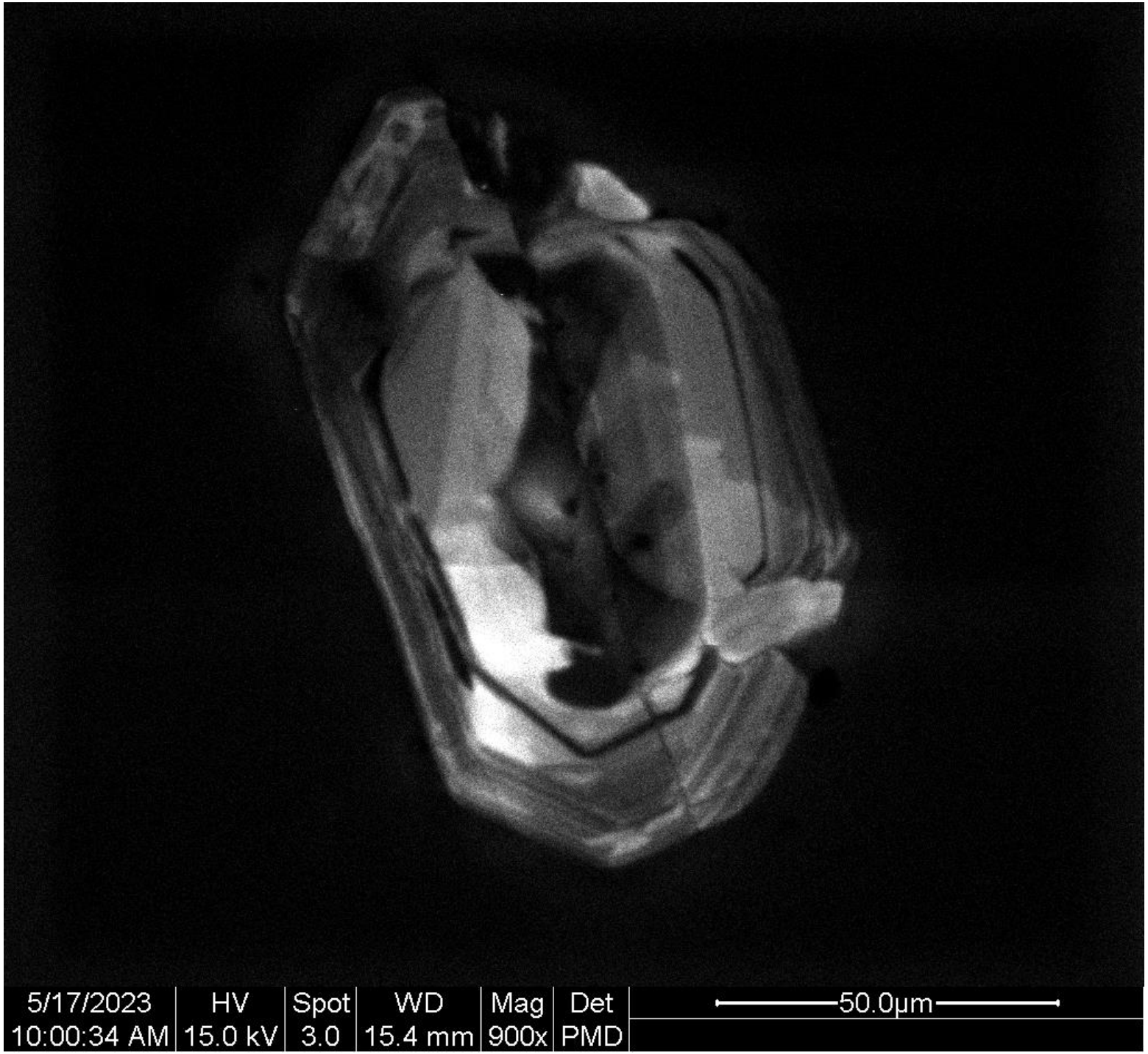
3x U-Pb

1.1, 1.2, 1.3



CM22BG01-B2_CL_002.tiff

No analysis. Grain is altered/fractured.



CM22BG01-B2_CL_003.tiff

2x U-Pb

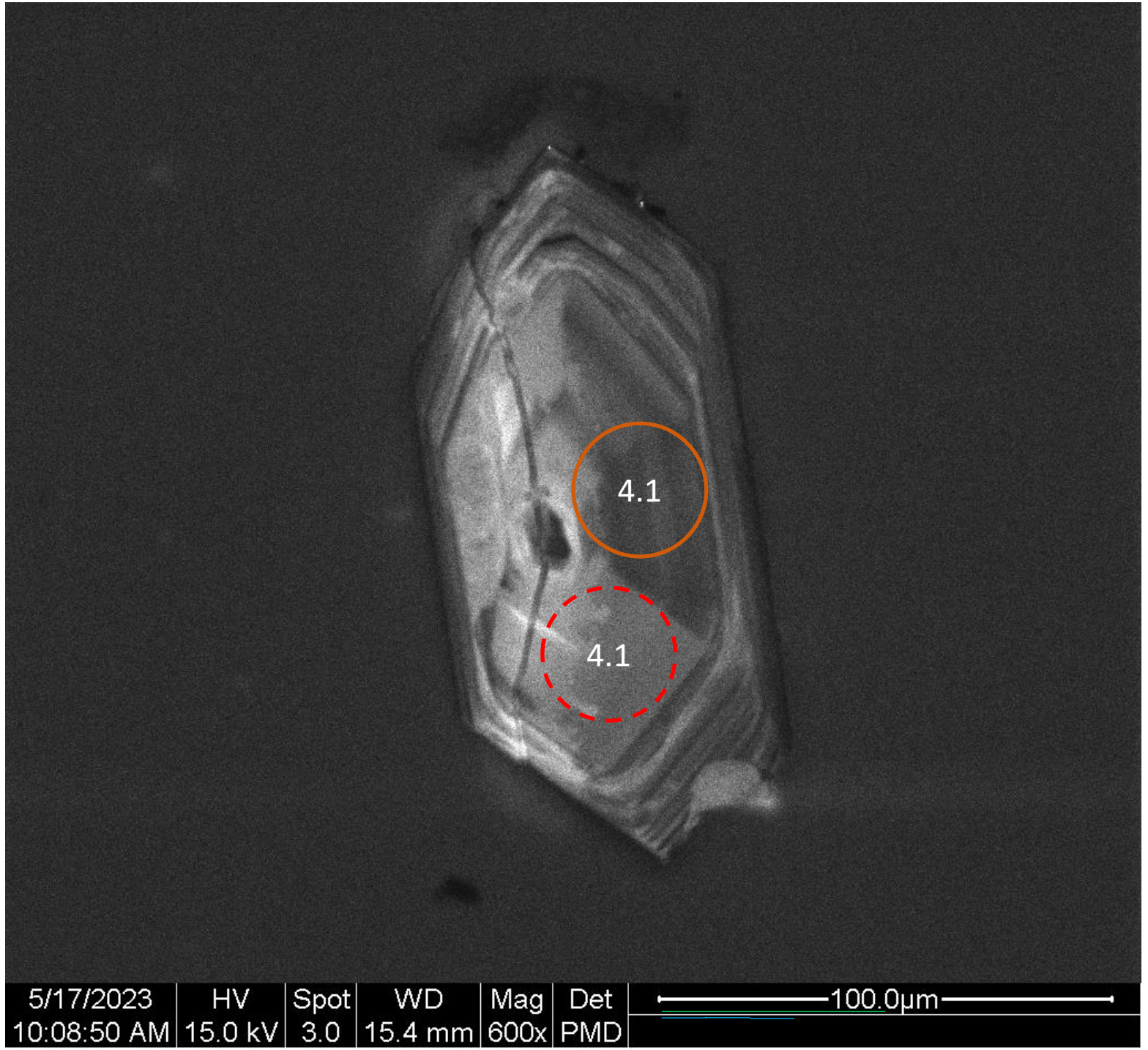
3.1, 3.2



CM22BG01-B2_CL_004.tiff

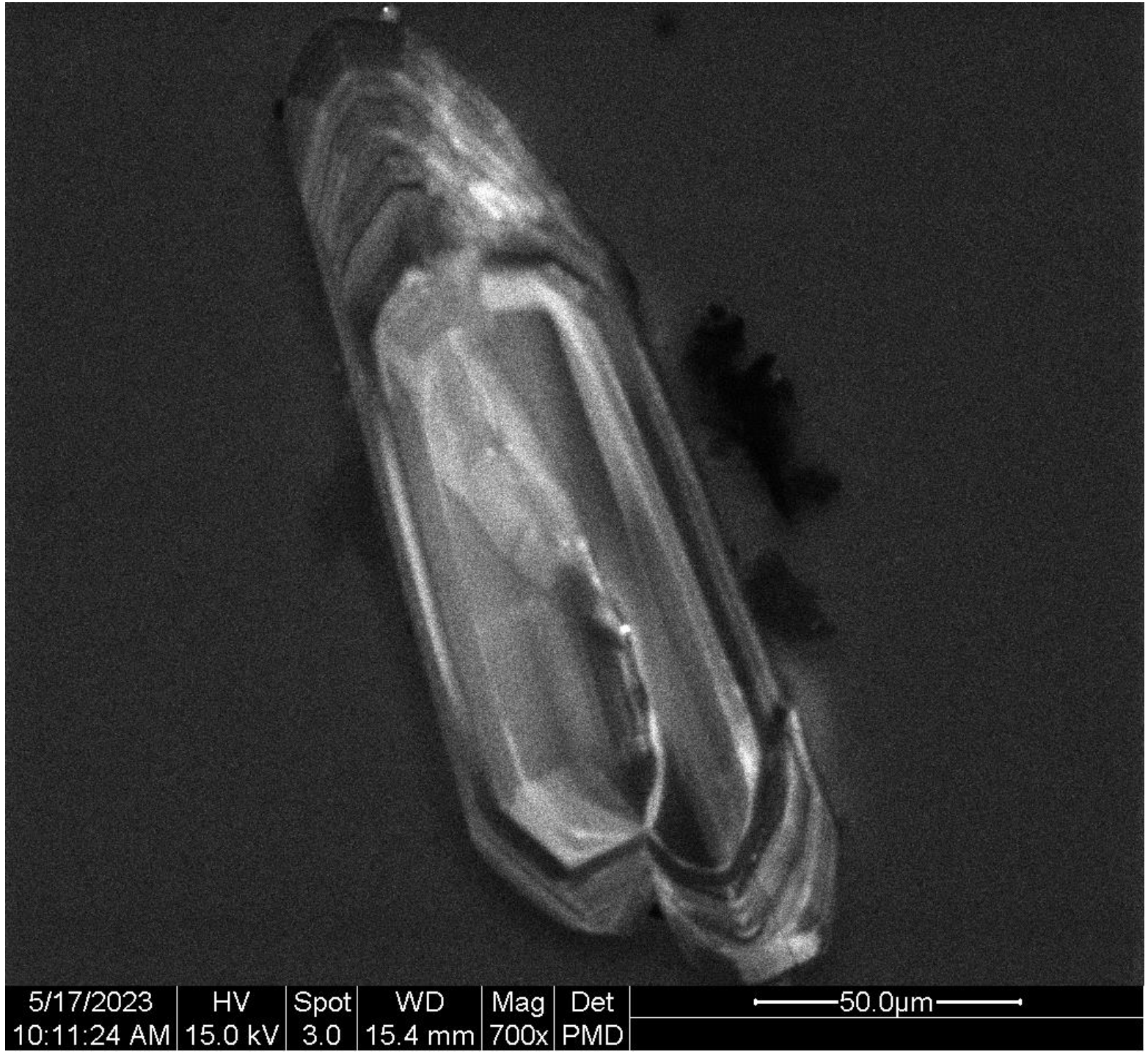
1x U-Pb

4.1



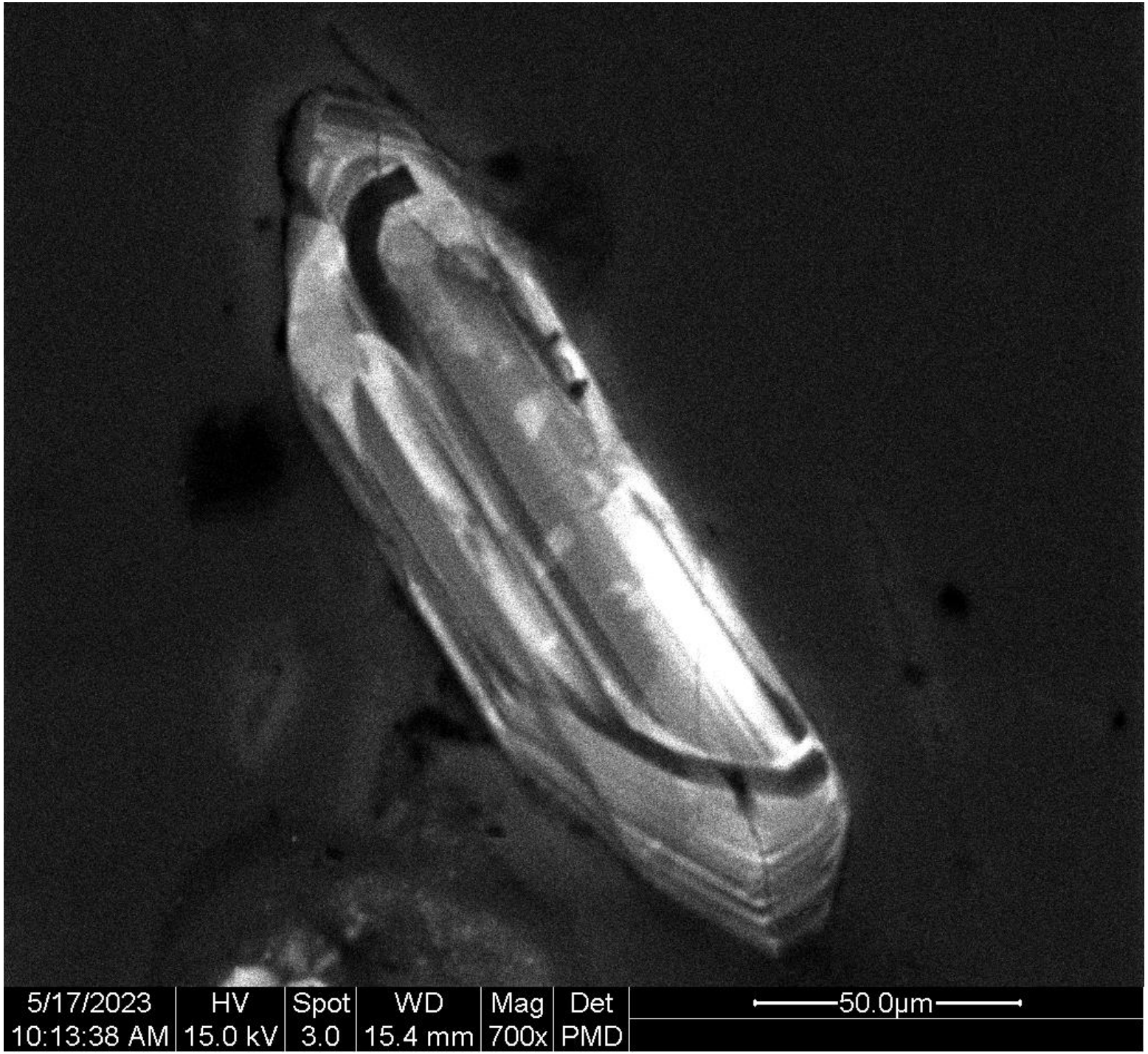
CM22BG01-B2_CL_005.tiff

No analysis. Grain is too altered/small/zones poorly defined



CM22BG01-B2_CL_006.tiff

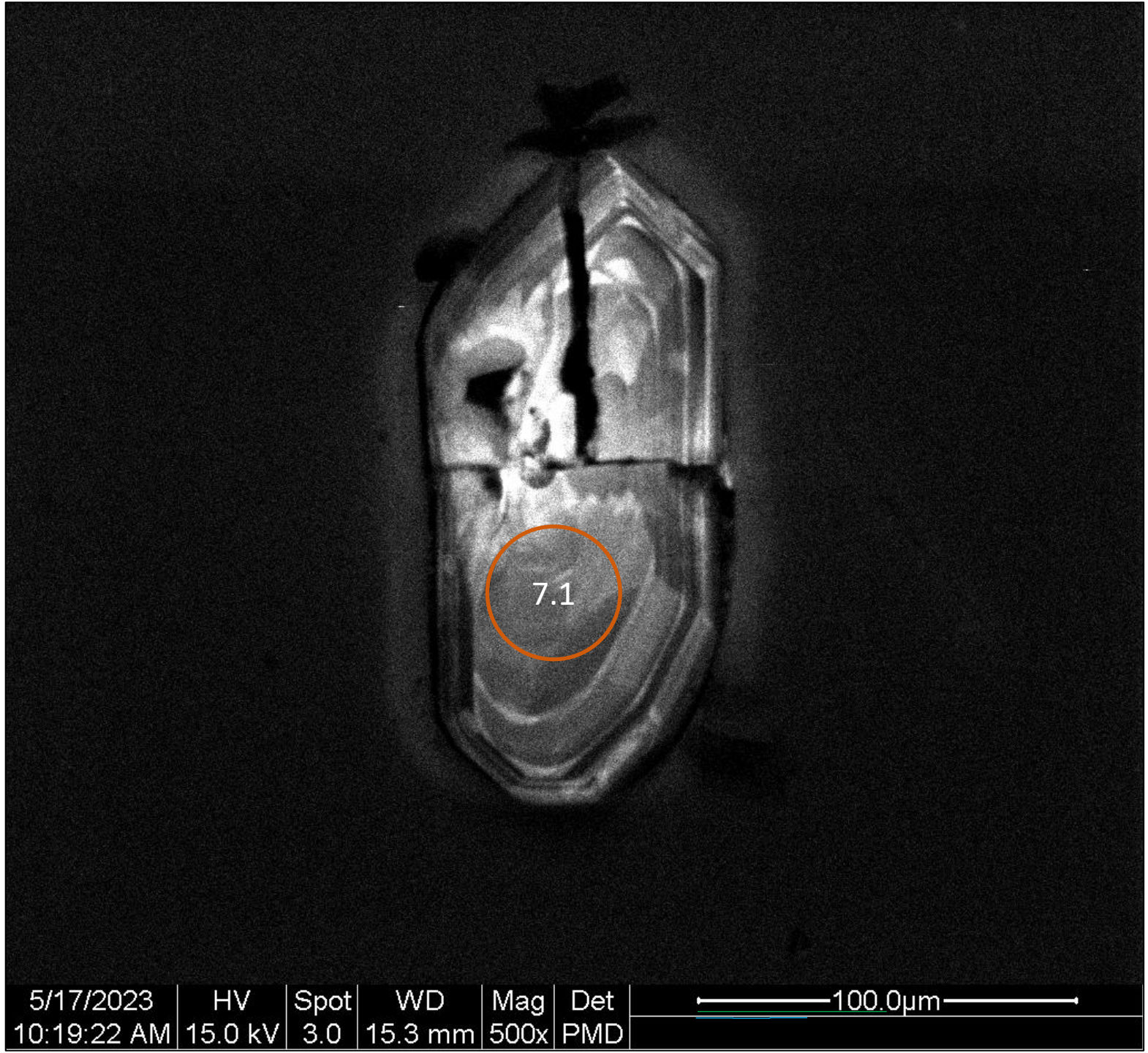
No analysis. Grain is too altered/small/zones poorly defined/fluid alteration



CM22BG01-B2_CL_007.tiff

1x U-Pb

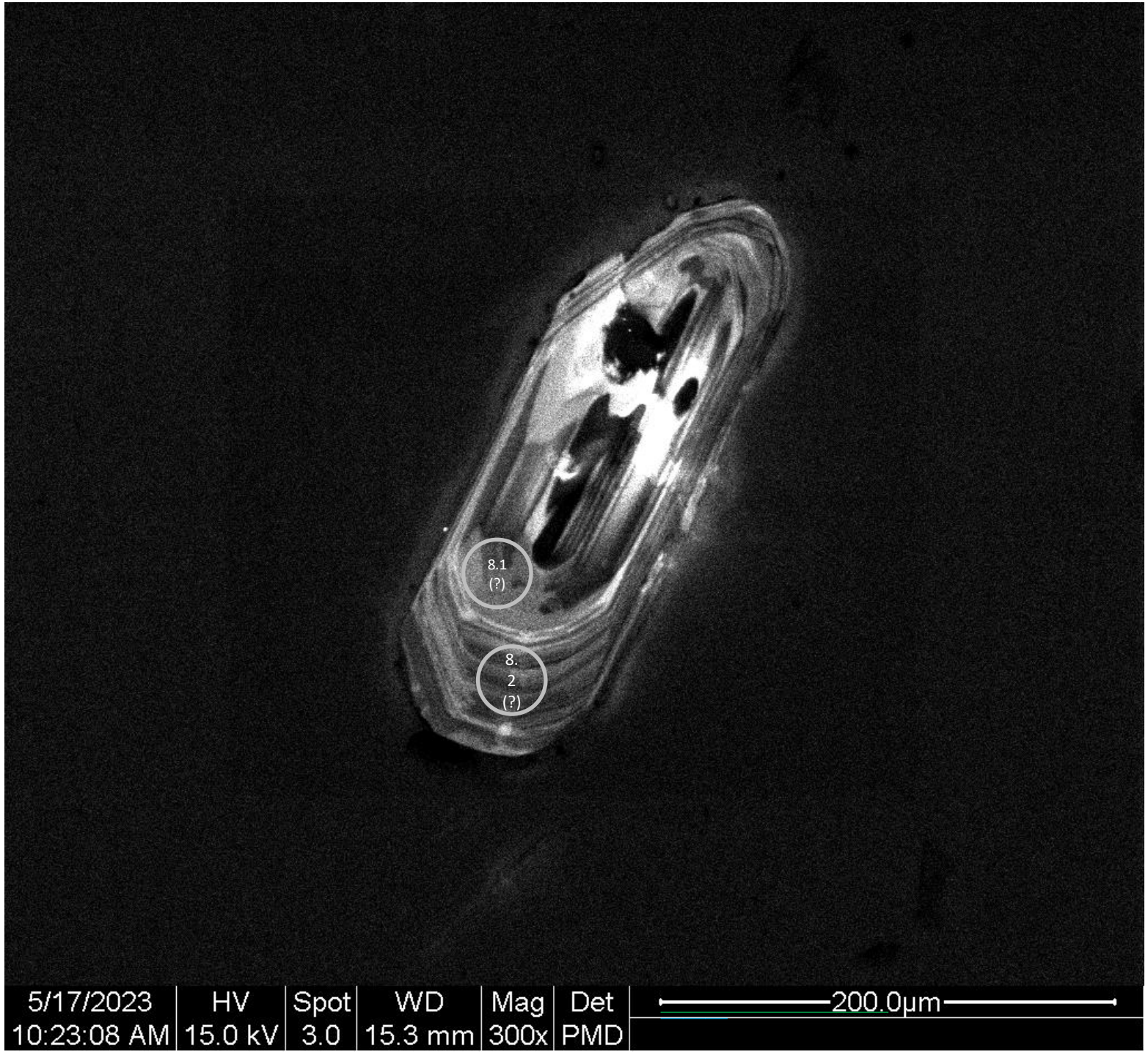
7.1



CM22BG01-B2_CL_008.tiff

2x U-Pb

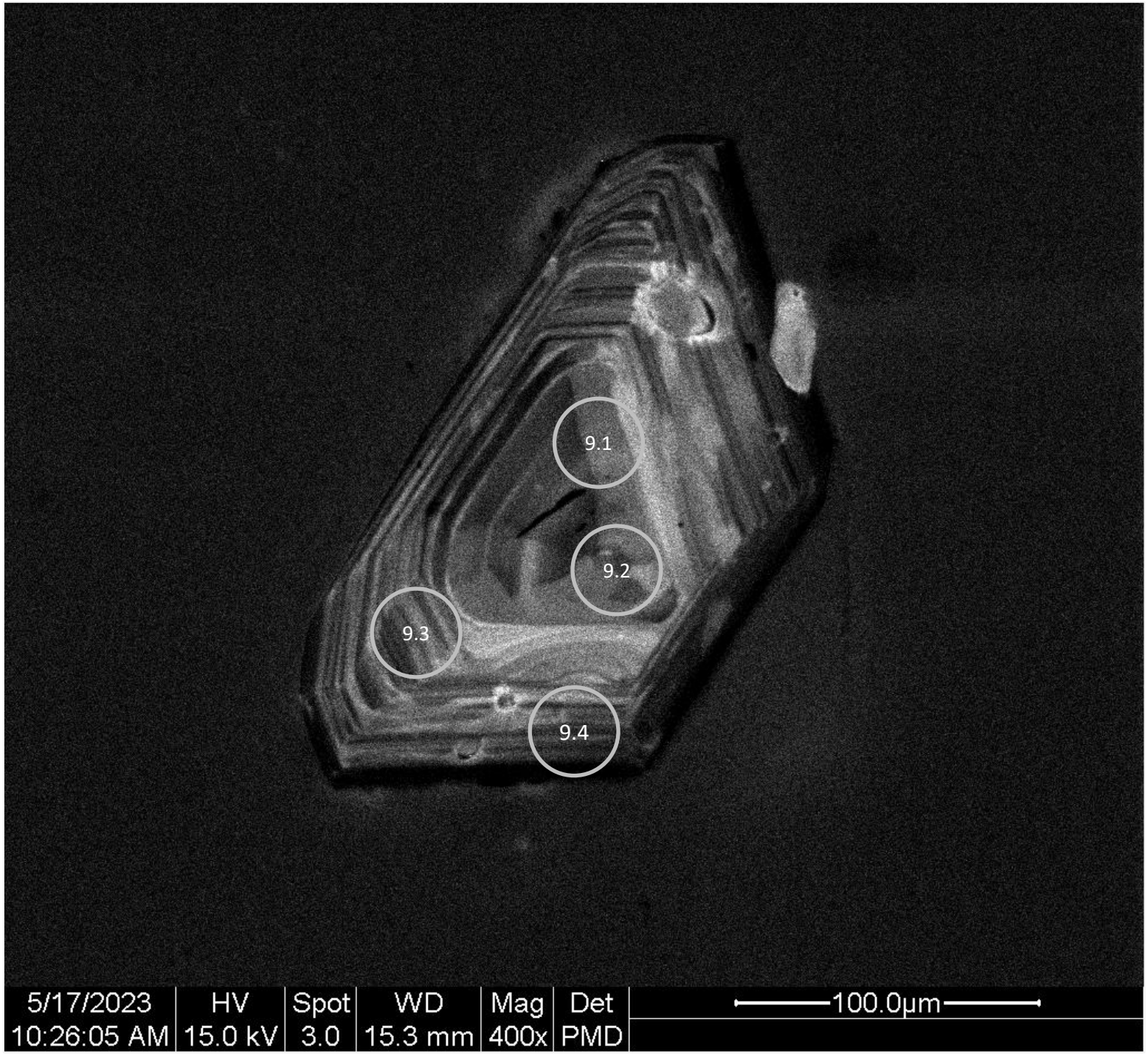
8.1, 8.2



CM22BG01-B2_CL_009.tiff

4x U-Pb

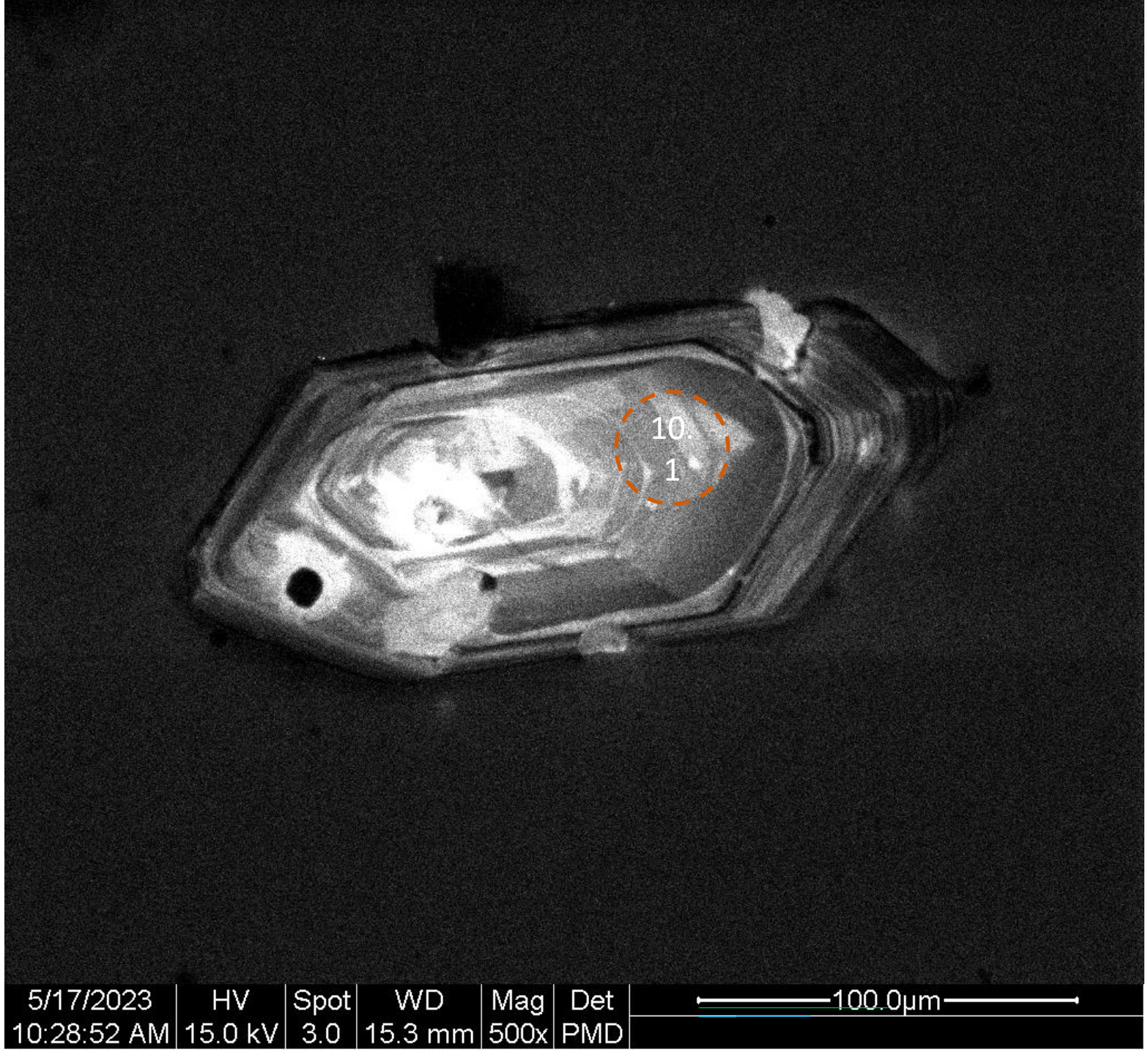
9.1, 9.2, 9.3, 9.4



CM22BG01-B2_CL_010.tiff

1x U-Pb

10.1



CM22BG01-B2_CL_011.tiff

3x U-Pb

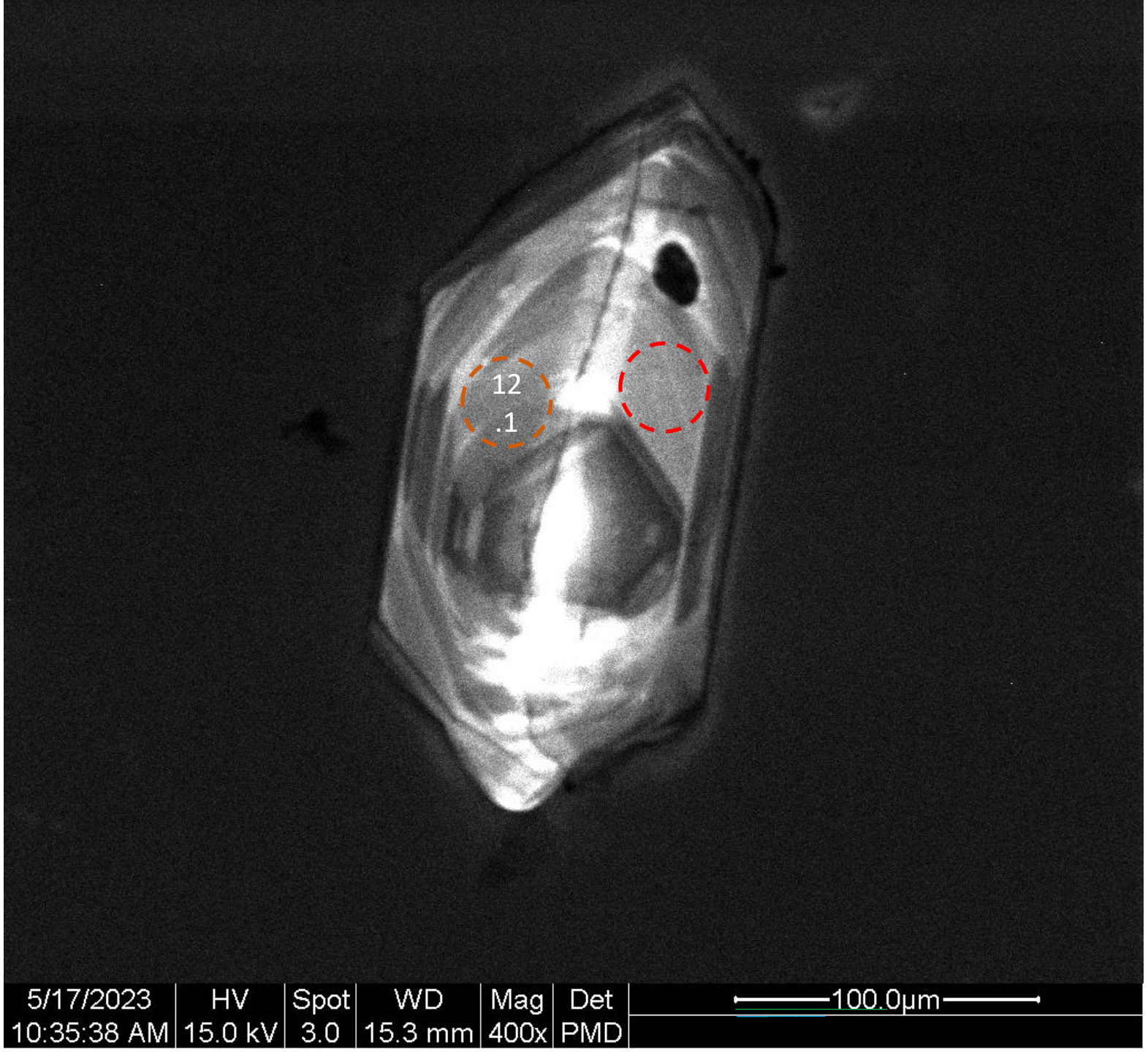
11.2, 11.2, 11.3



CM22BG01-B2_CL_012.tiff

1x U-Pb

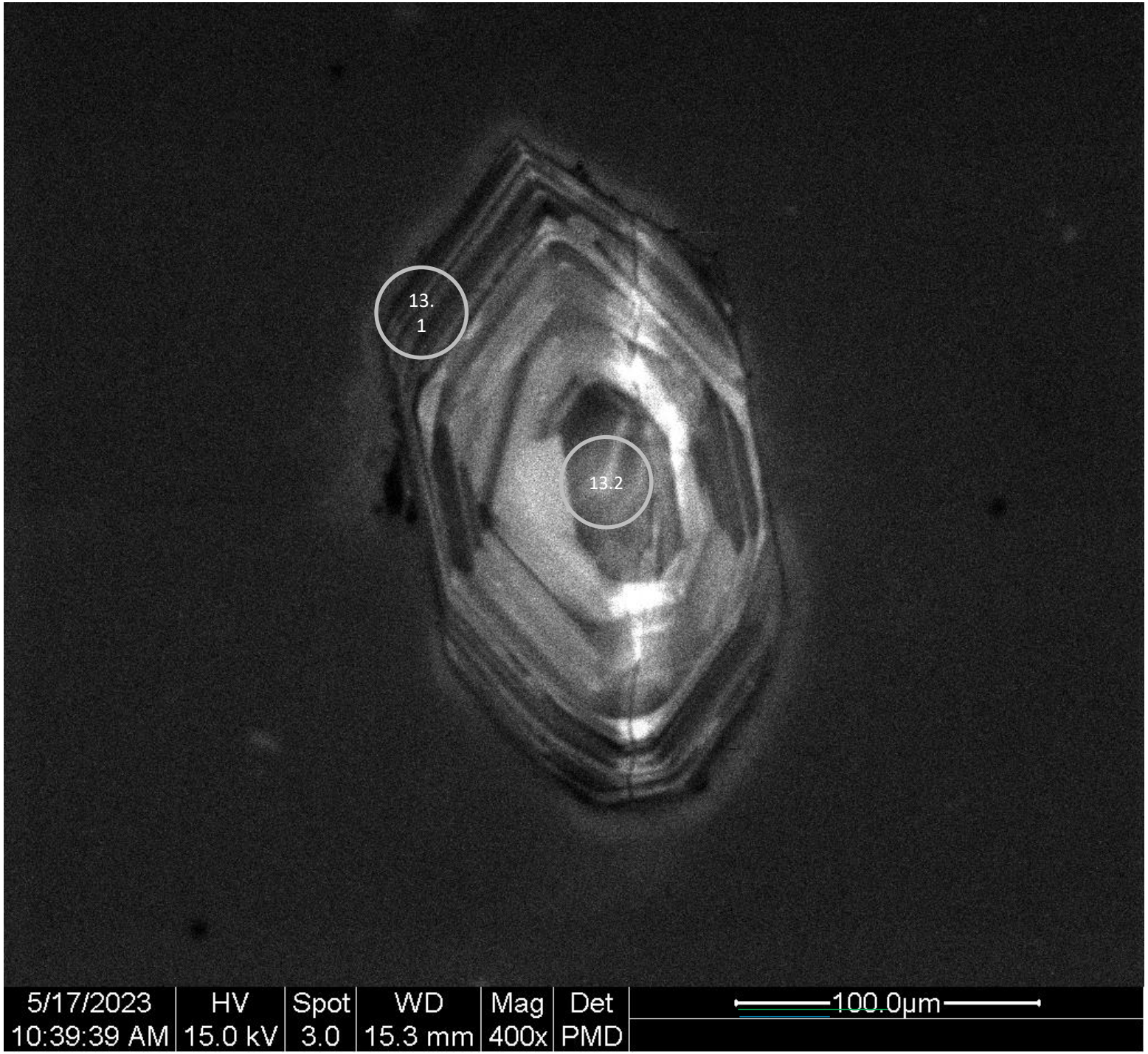
12.1



CM22BG01-B2_CL_013.tiff

2x U-Pb

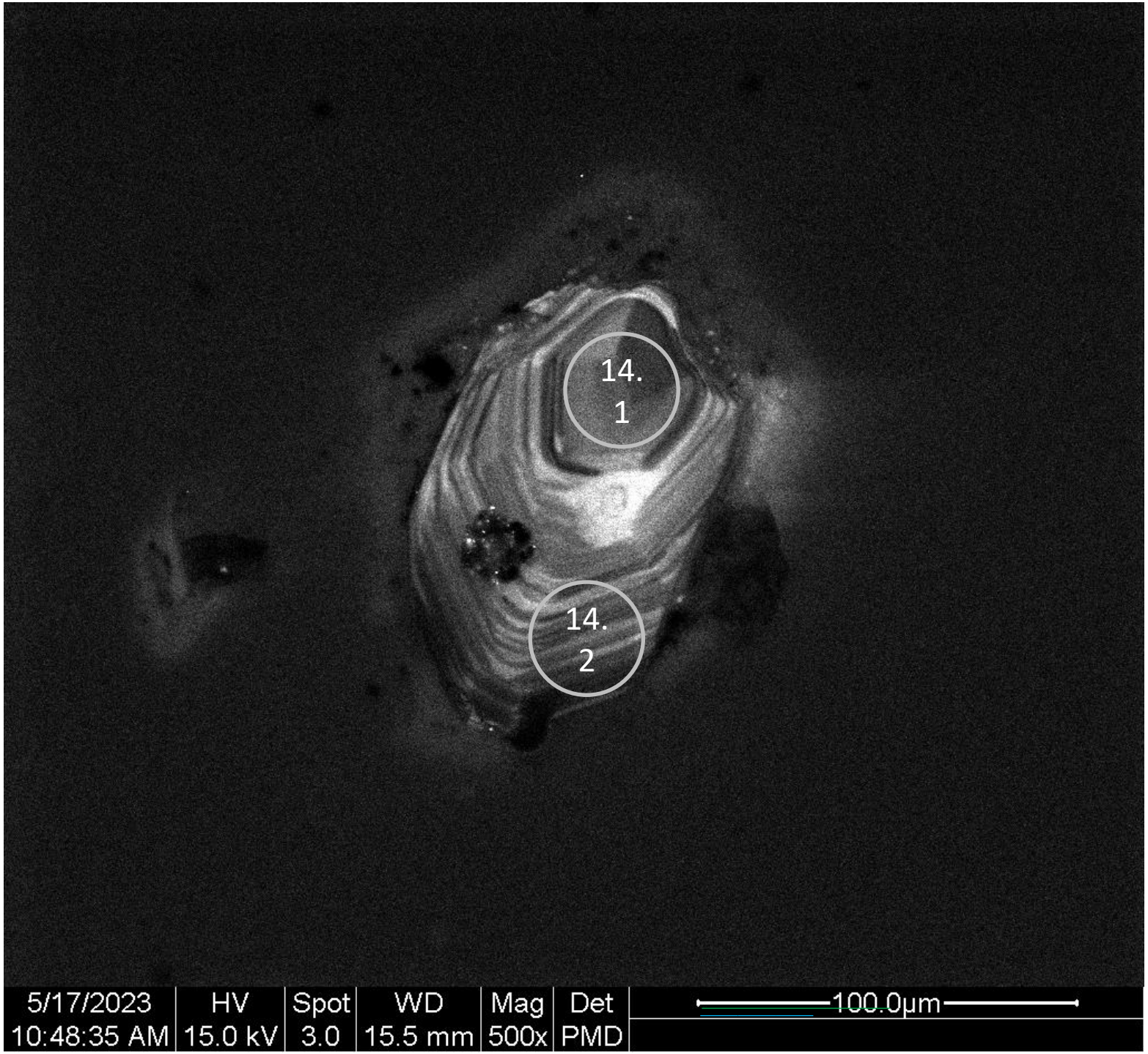
13.1, 13.2



CM22BG01-B2_CL_014.tiff

2x U-Pb

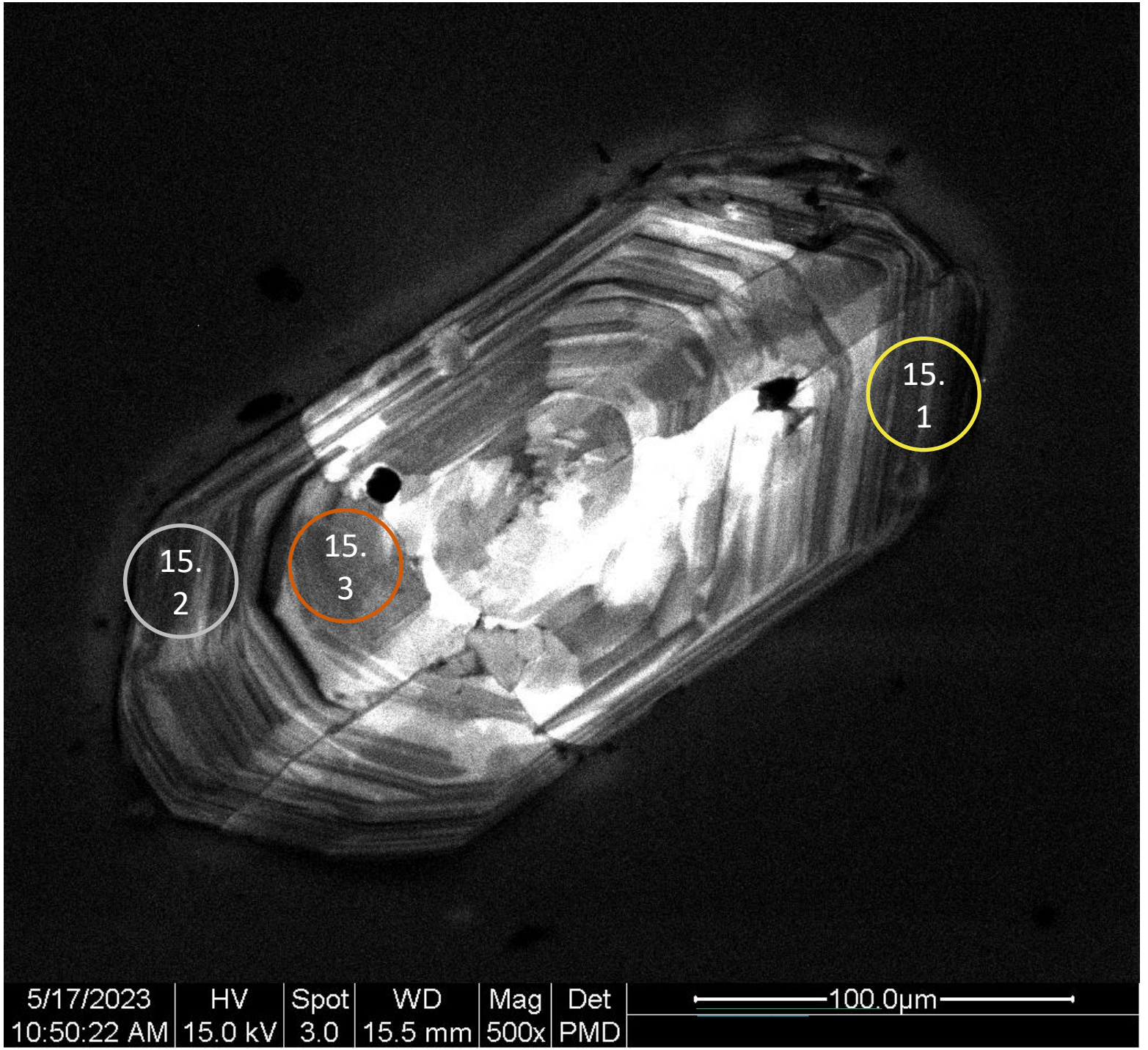
14.1, 14.2



CM22BG01-B2_CL_015.tiff

3x U-Pb

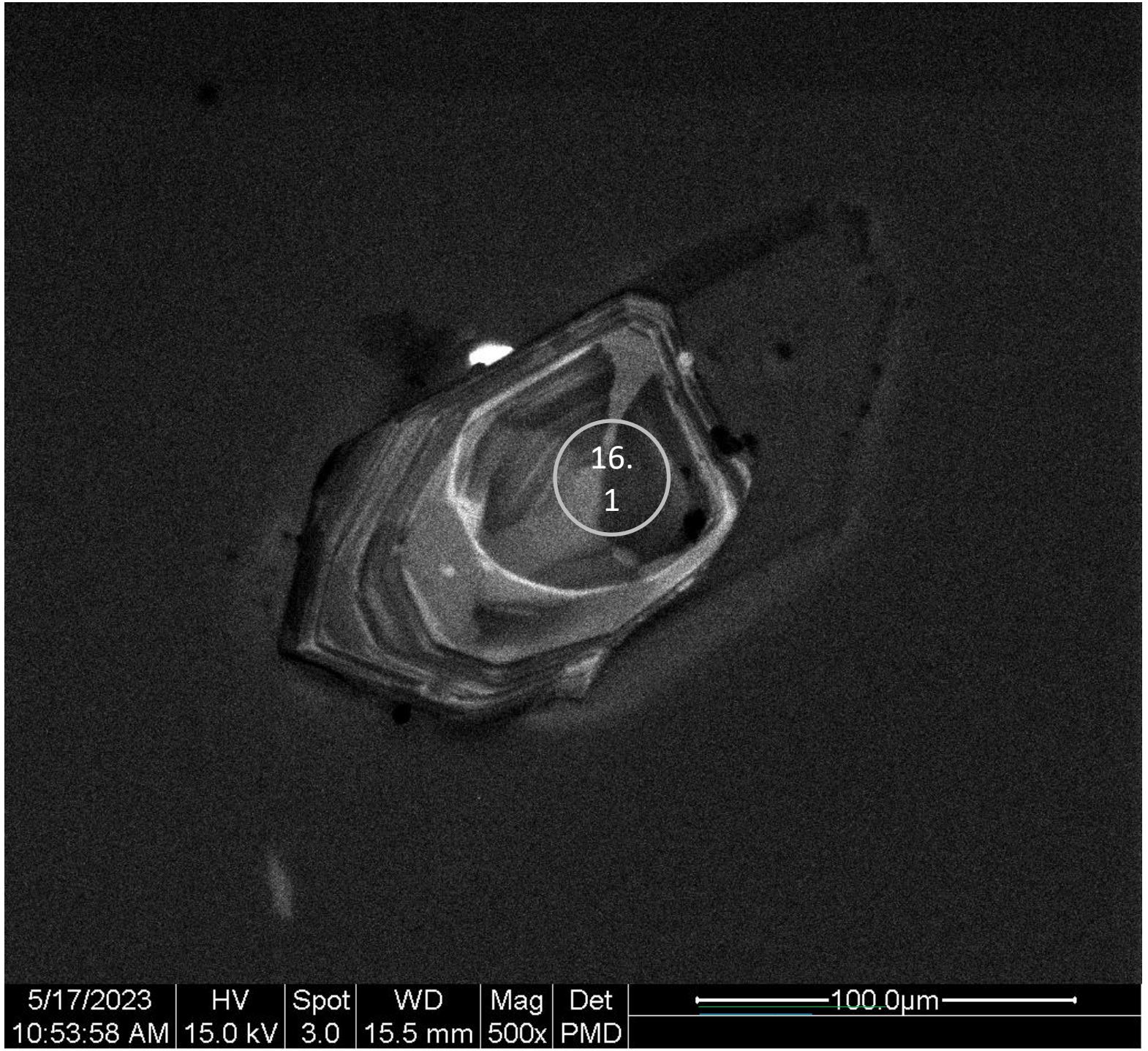
15.1, 15.2, 15.3



CM22BG01-B2_CL_016.tiff

1x U-Pb

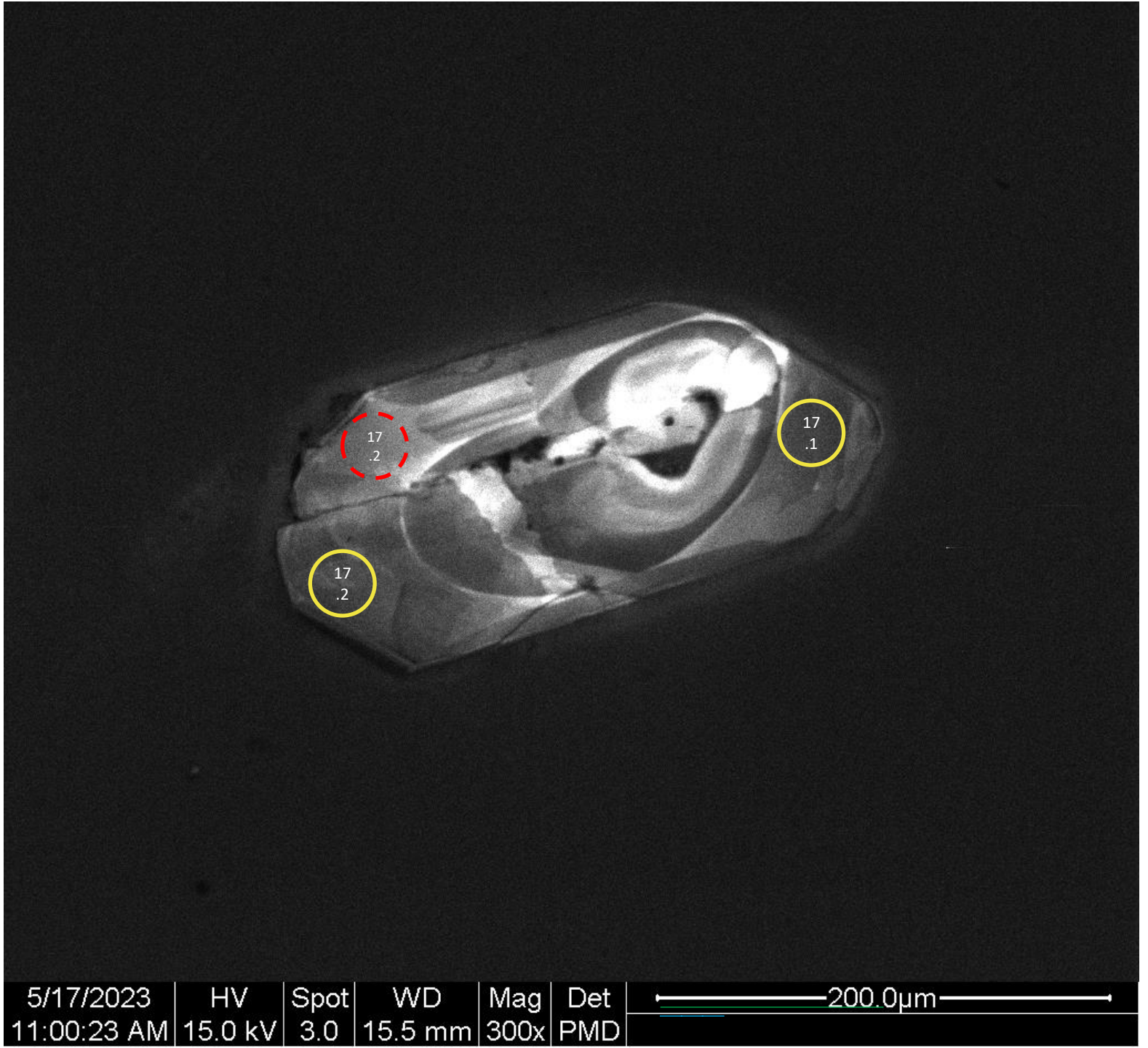
16.1



CM22BG01-B2_CL_017.tiff

2x U-Pb

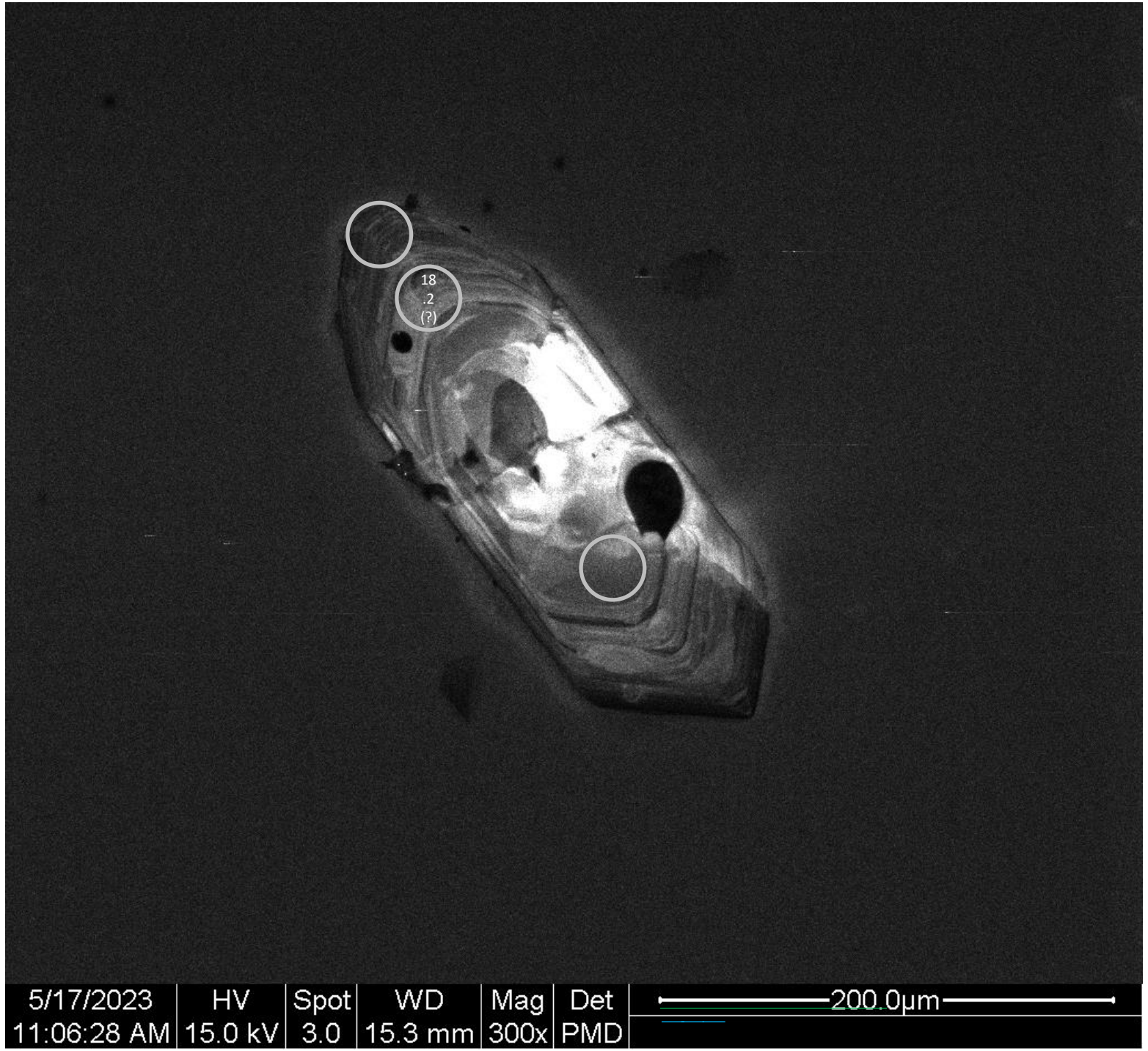
17.1, 17.2



CM22BG01-B2_CL_018.tiff

3x U-Pb

18.1, 18.2, 18.3



CM22BG01-B2_CL_019.tiff

2x U-Pb

19.1, 19.2

