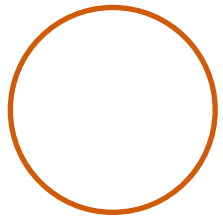
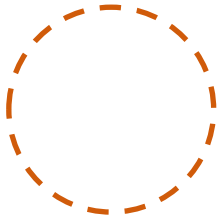
**Emplacement spots** (i.e., rim spots included in $^{206}Pb/^{238}U$ weighted mean age).



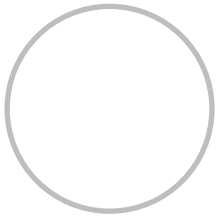
**Potential antecrystic rims**



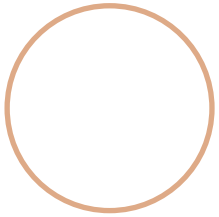
**Antecrystic cores** (i.e., core spots older and outwith the confidence interval of the weighted mean emplacement age)



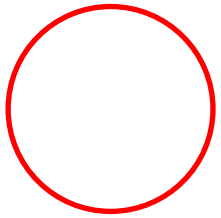
**Probable Pb loss core spots** (i.e., core spots falling younger than and within confidence interval of emplacement age)



**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)



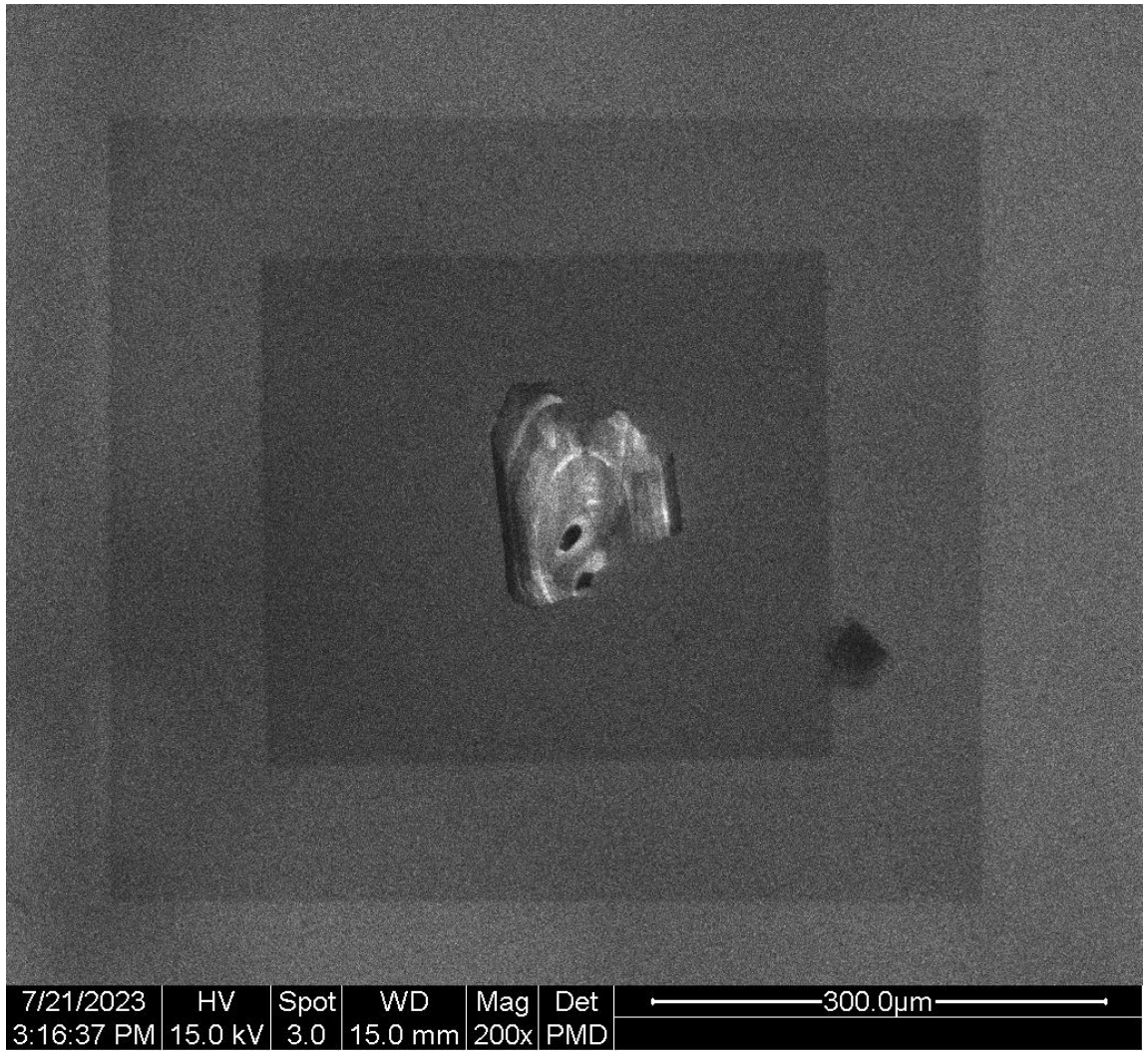
Trace element (TE) spots

**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 CR-07 concordia and weighted mean plot (Figure 4.2 in text).**

CG23CR07-CL_001.tif

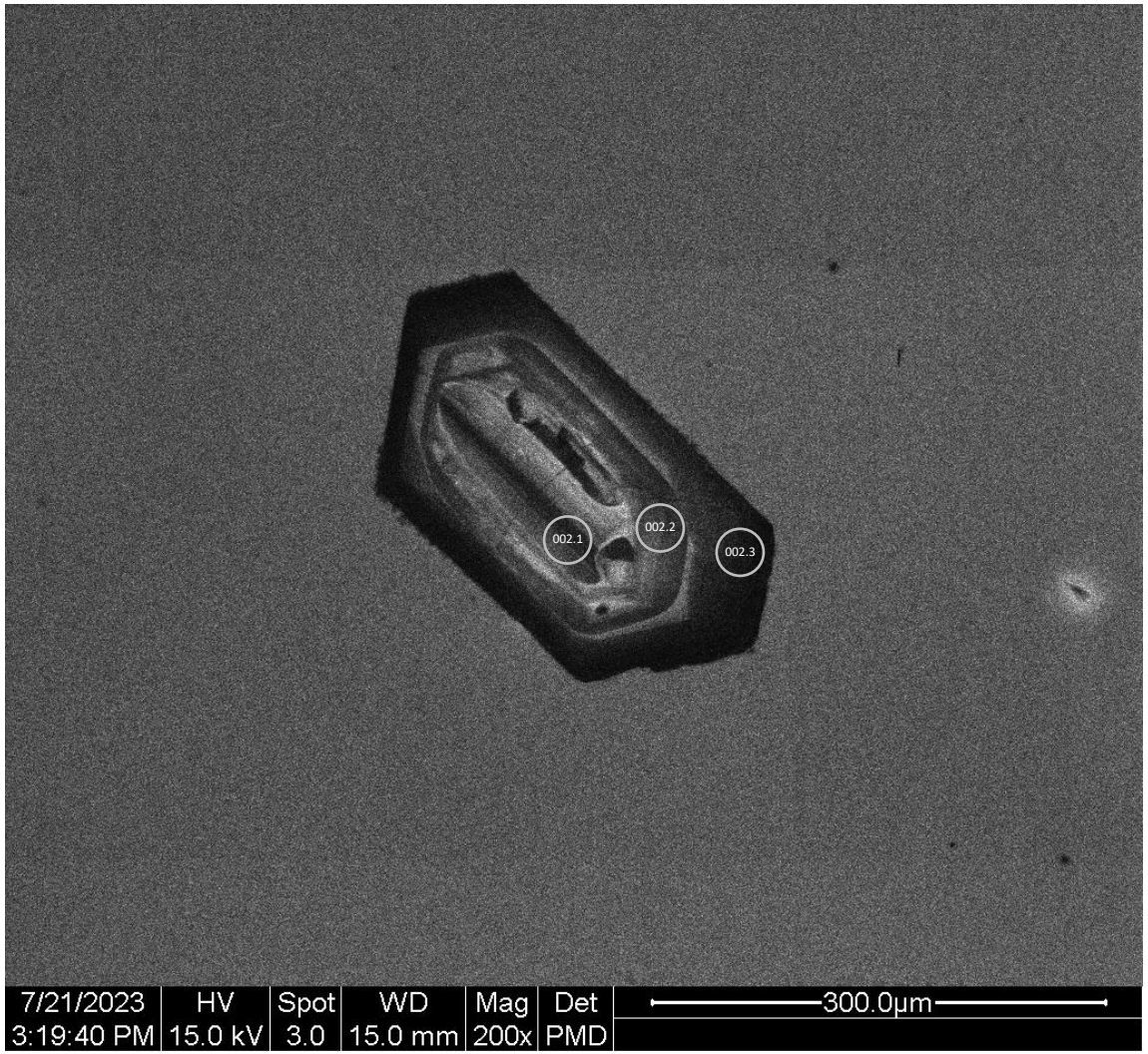
**NA**



CG23CR07-
CL_002.tif

3 x U-Pb

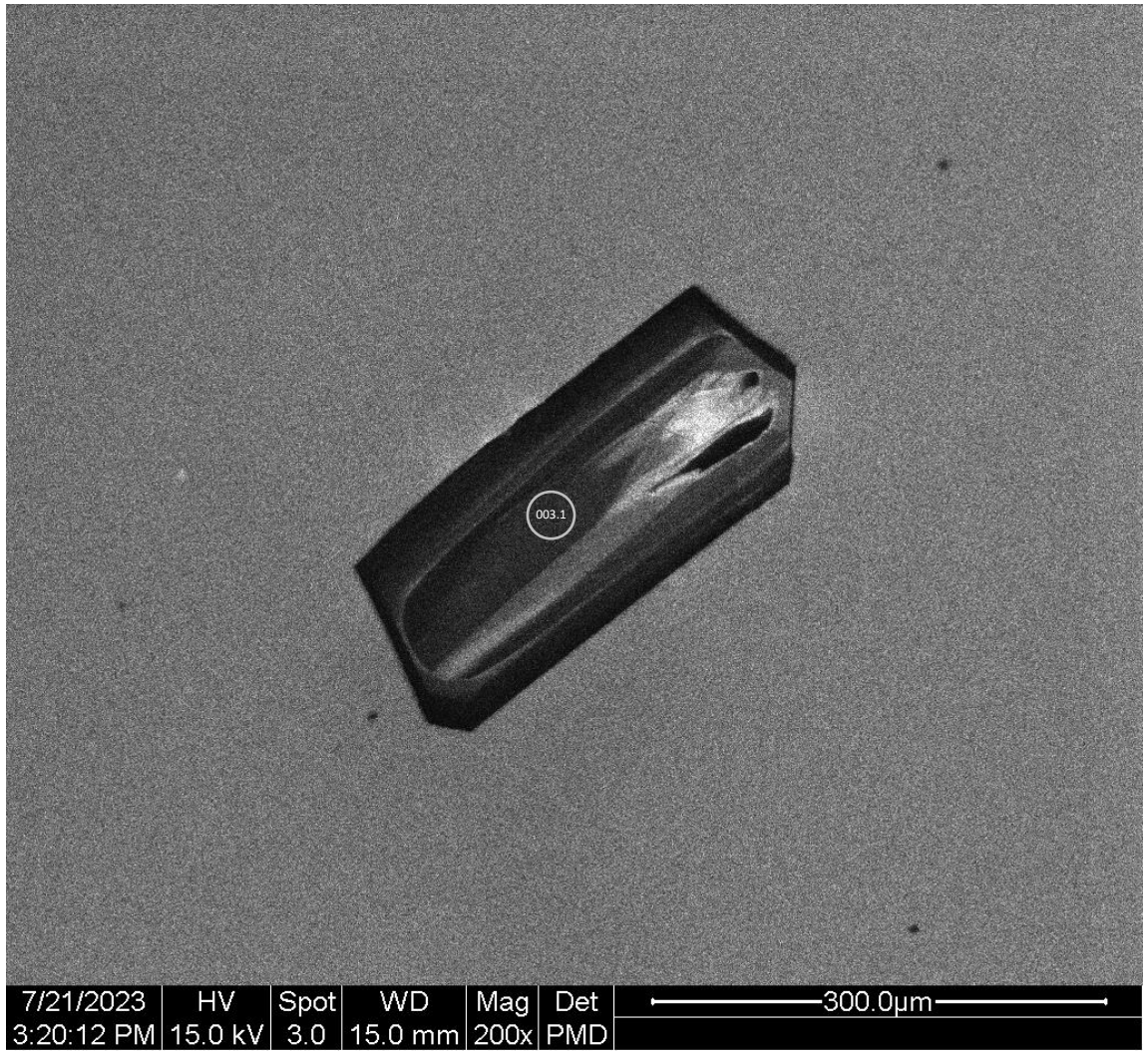
2.1, 2.2, 2.3



CG23CR07-CL_003.tif

1 x U-Pb

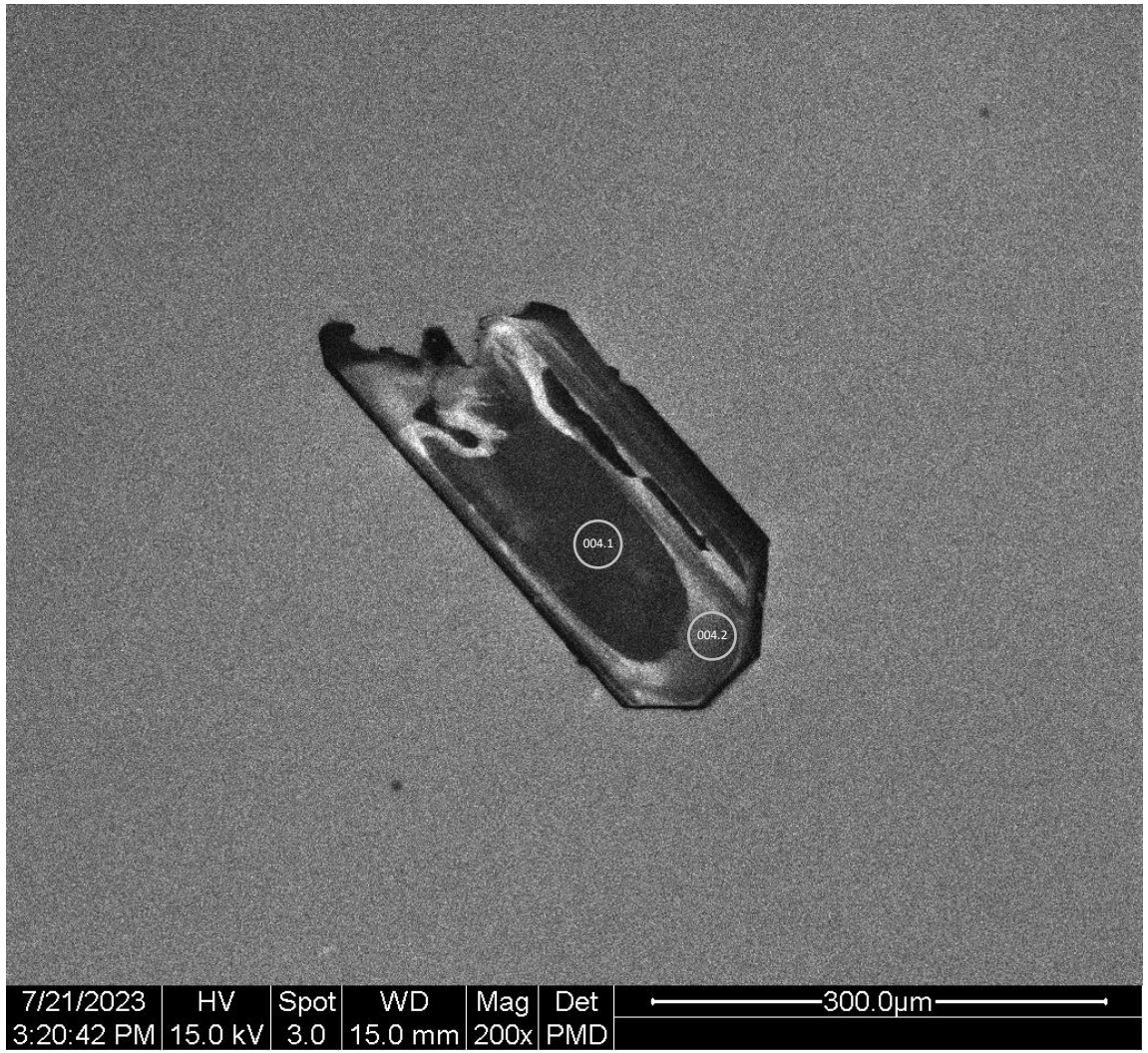
3.1



CG23CR07-CL_004.tif

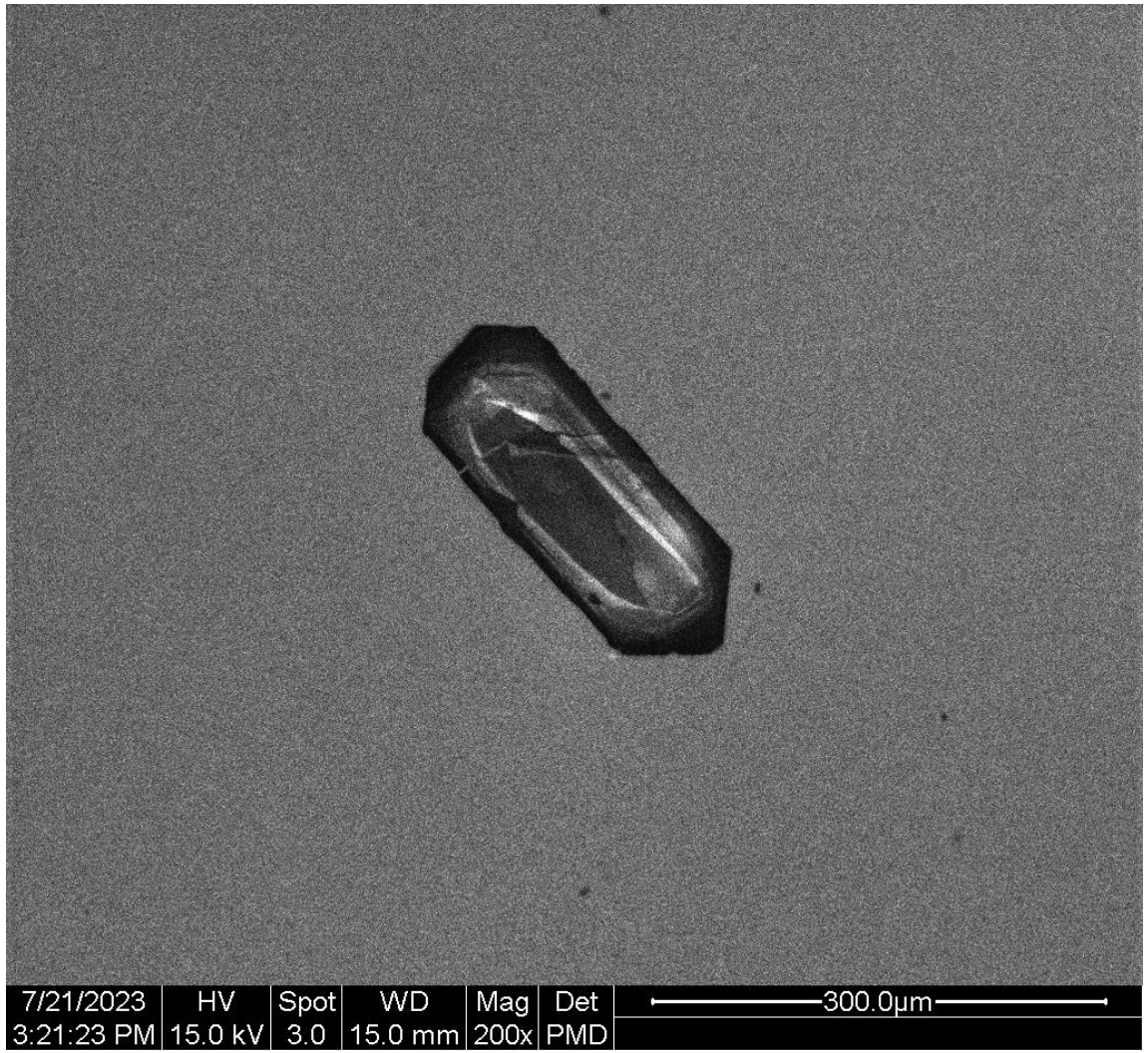
2 x U-Pb

4.1, 4.2



CG23CR07-CL_005.tif

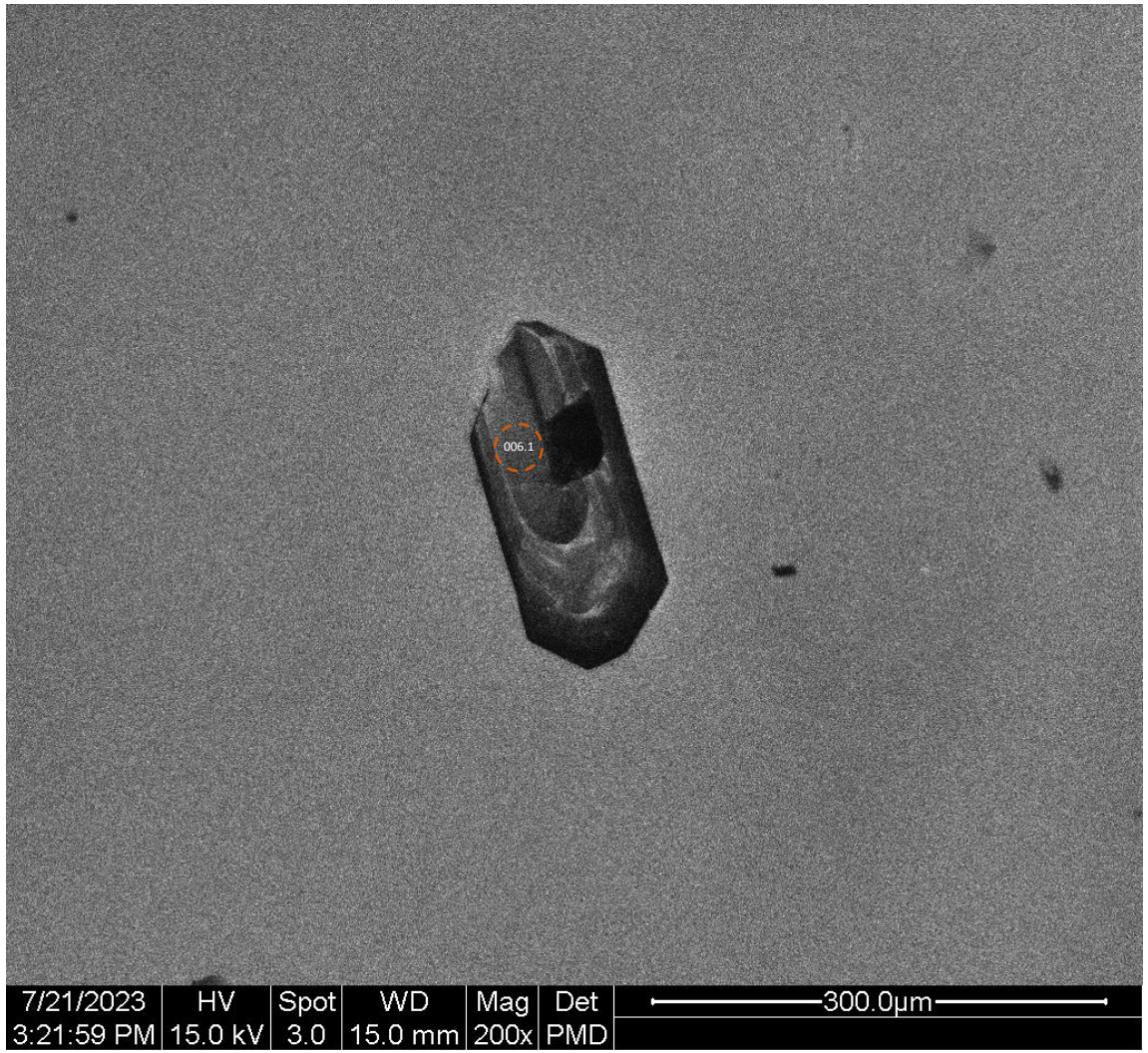
**NA**



CG23CR07-CL_006.tif

1 x U-Pb

6.1



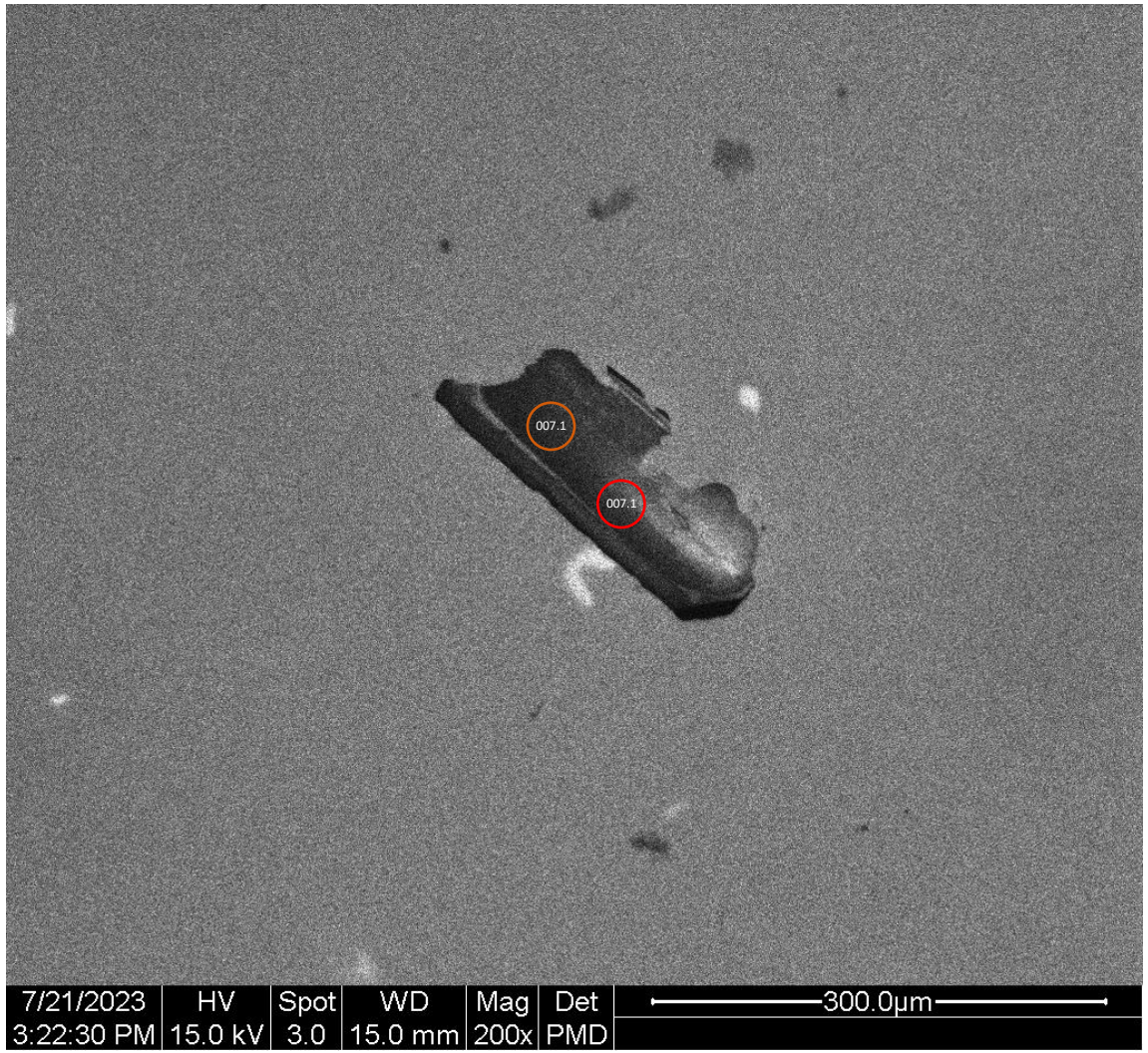
CG23CR07-CL_007.tif

1 x U-Pb

7.1

1 x TE

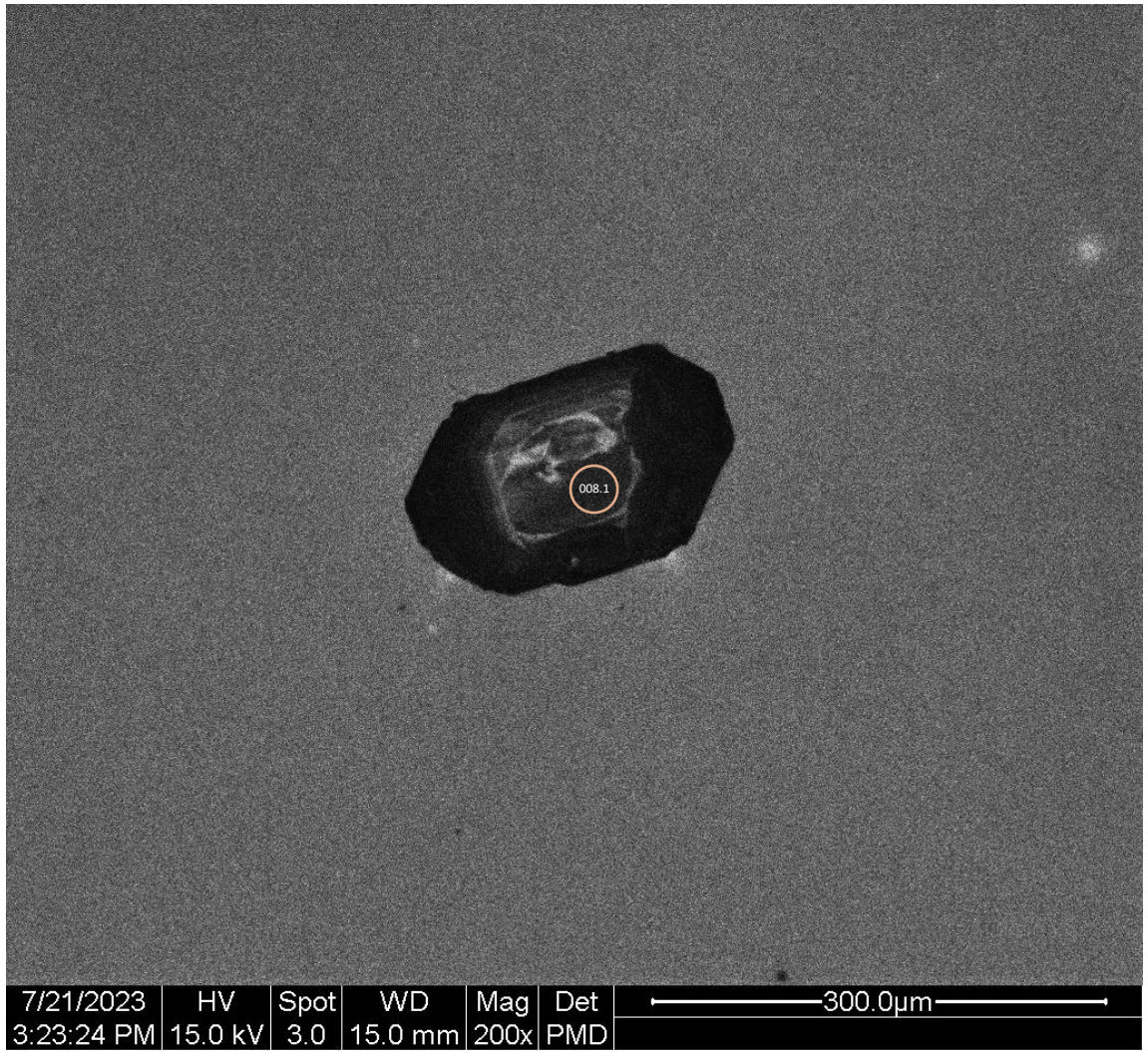
7.1



CG23CR07-CL_008.tif

1 x U-Pb

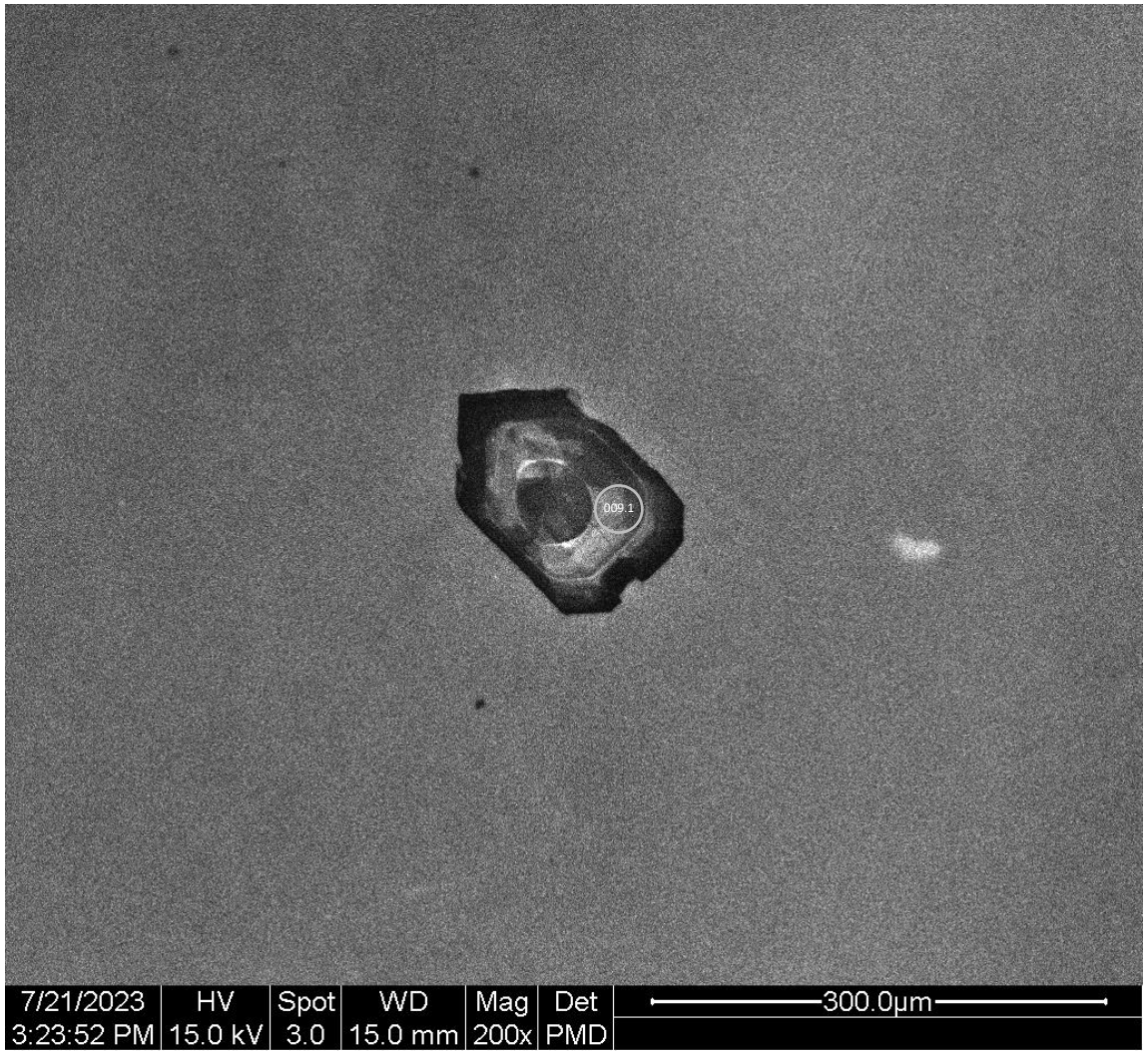
8.1



CG23CR07-CL_009.tif

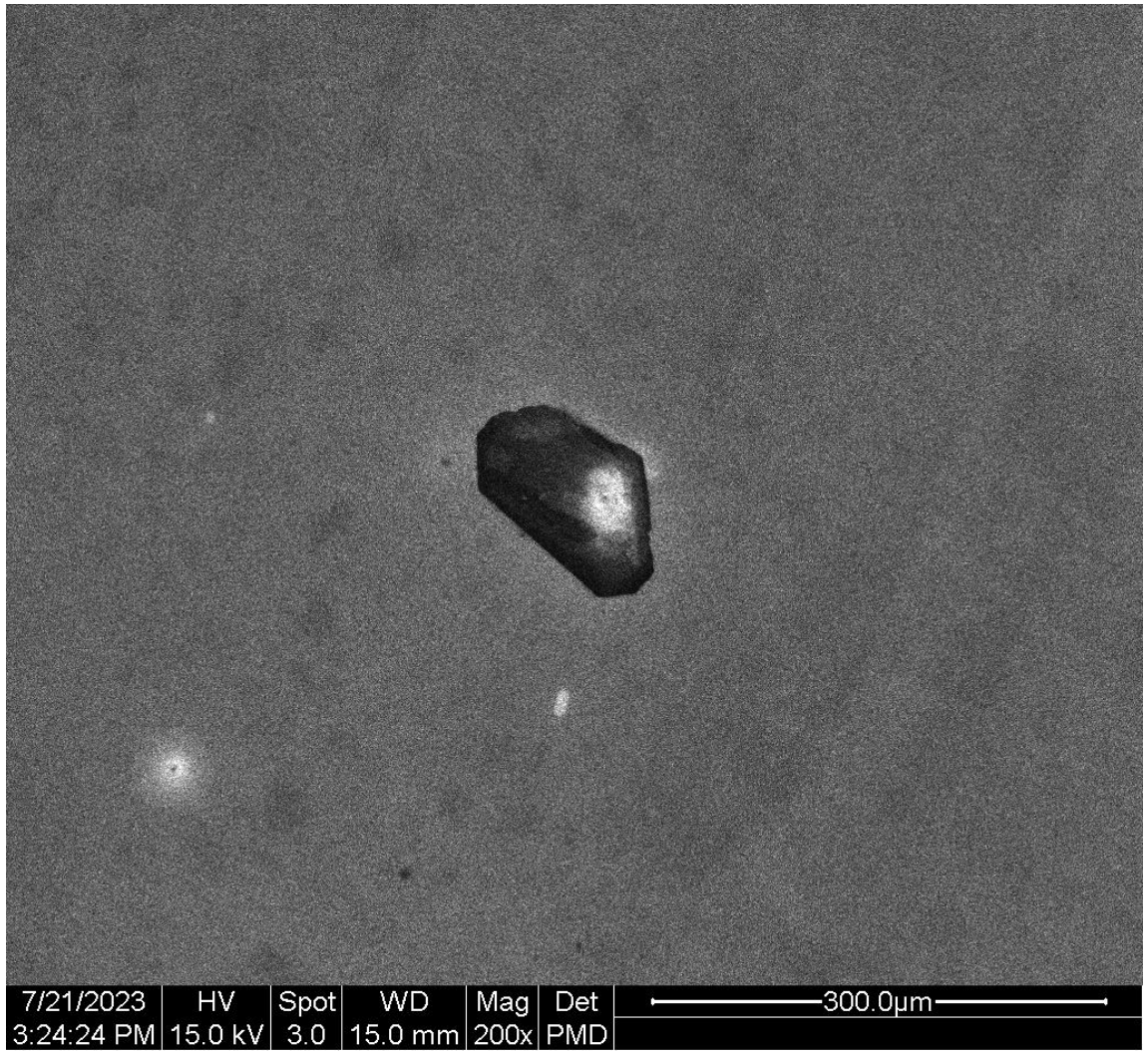
1 x U-Pb

9.1



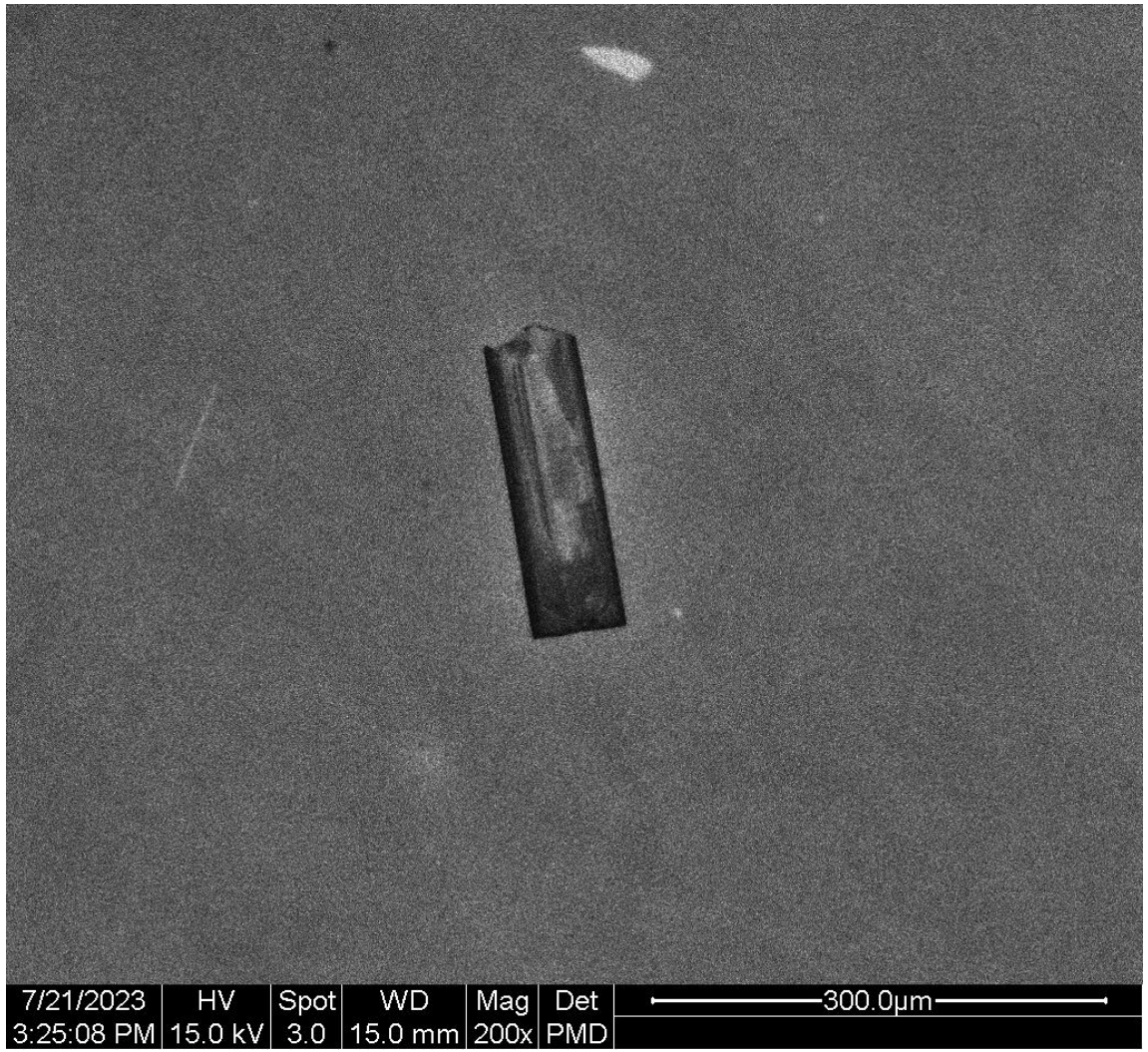
CG23CR07-
CL_010.tif

**NA**



CG23CR07-CL_011.tif

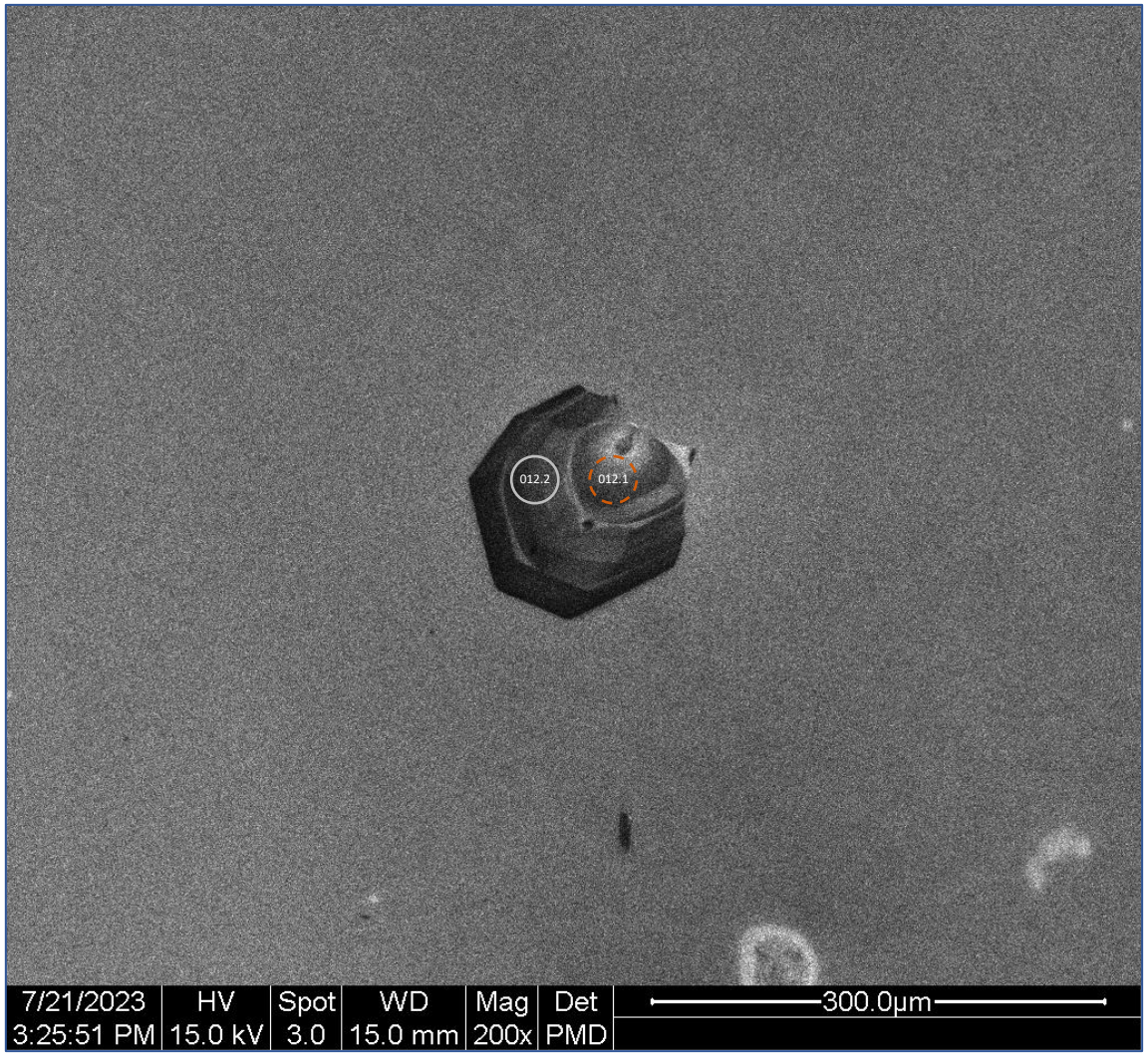
**NA**



CG23CR07-CL_012.tif

2 x U-Pb

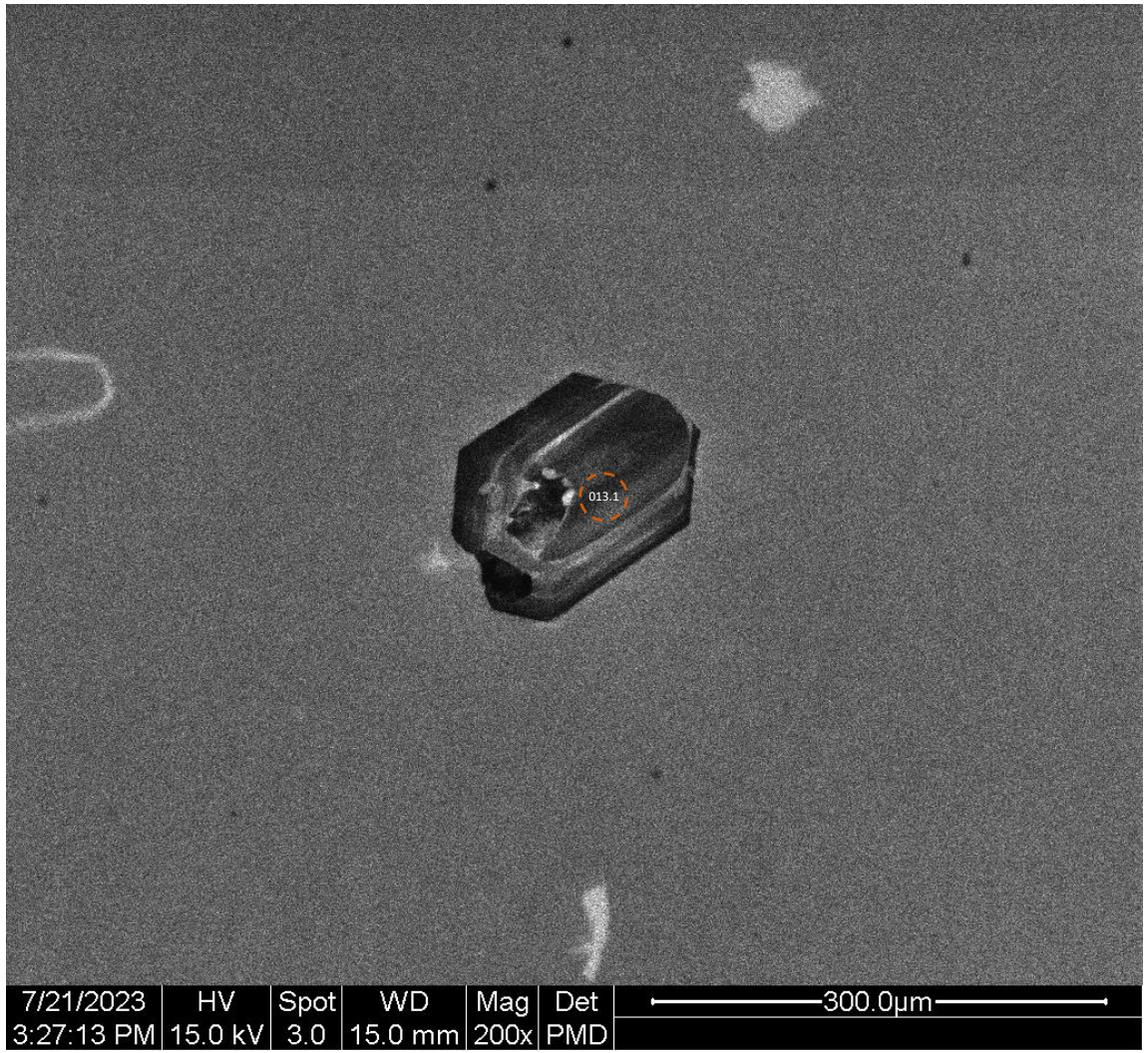
12.1, 12.2



CG23CR07-CL_013.tif

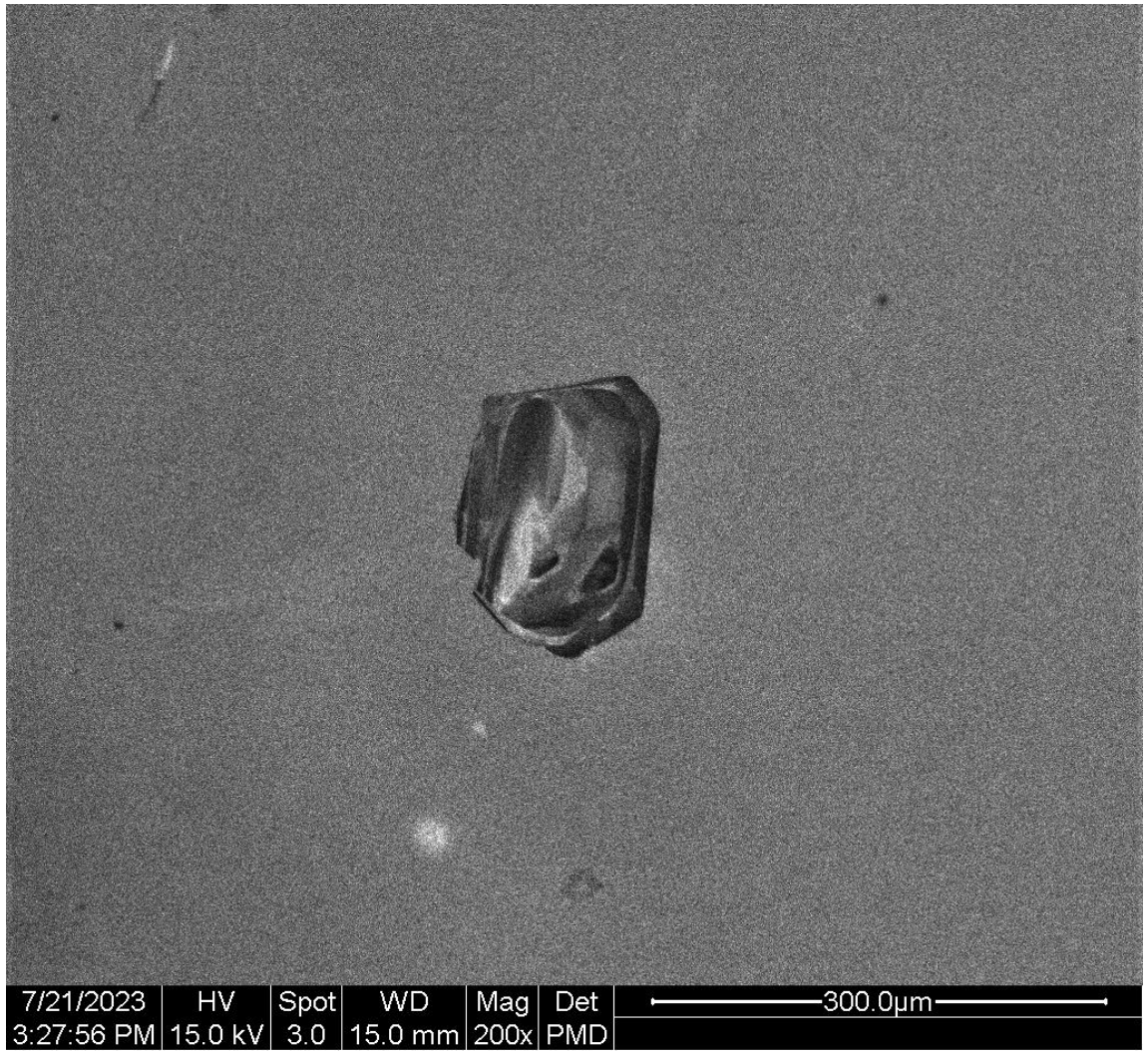
1 x U-Pb

13.1



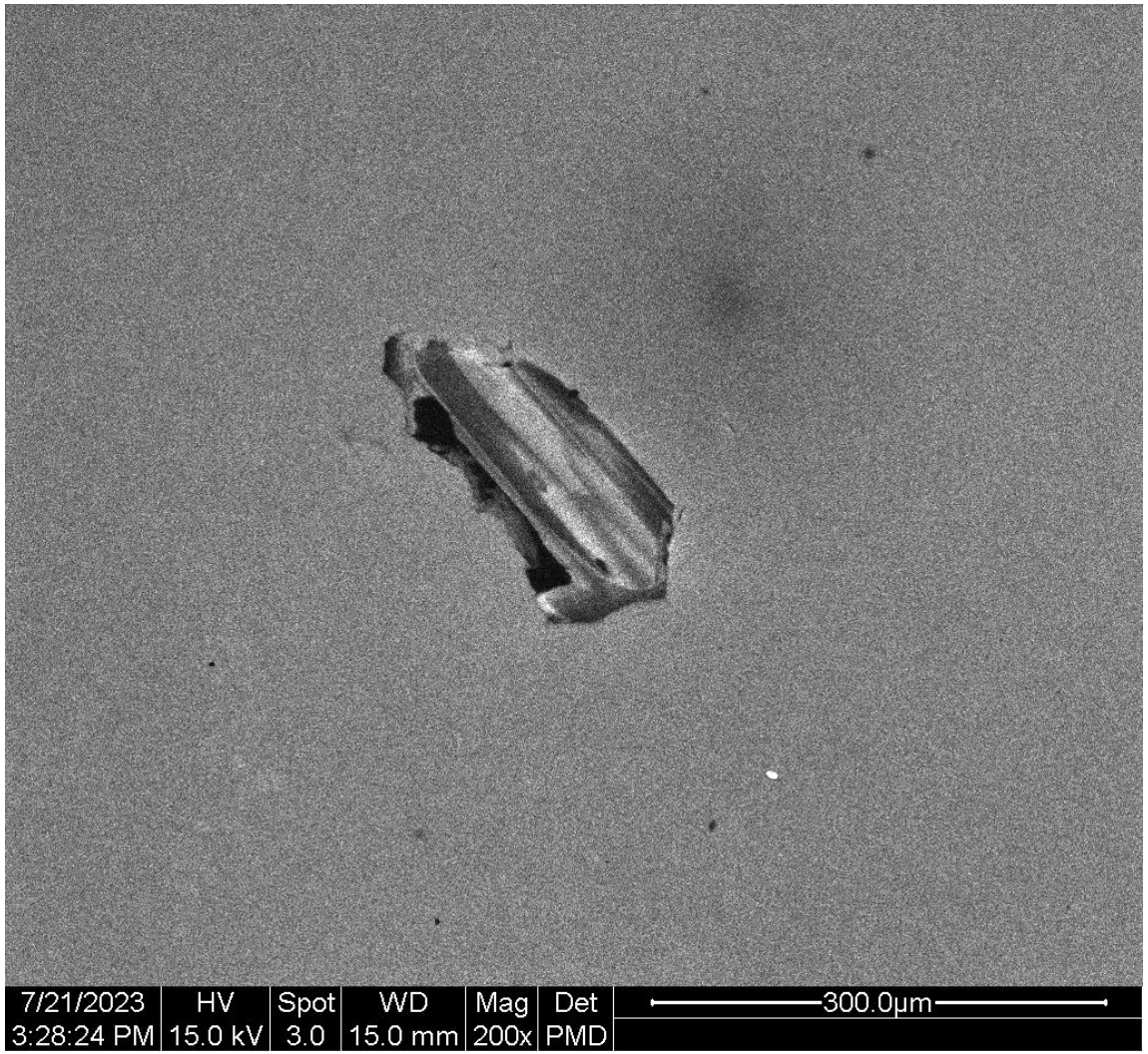
CG23CR07-CL_014.tif

**NA**



CG23CR07-CL_015.tif

**NA**



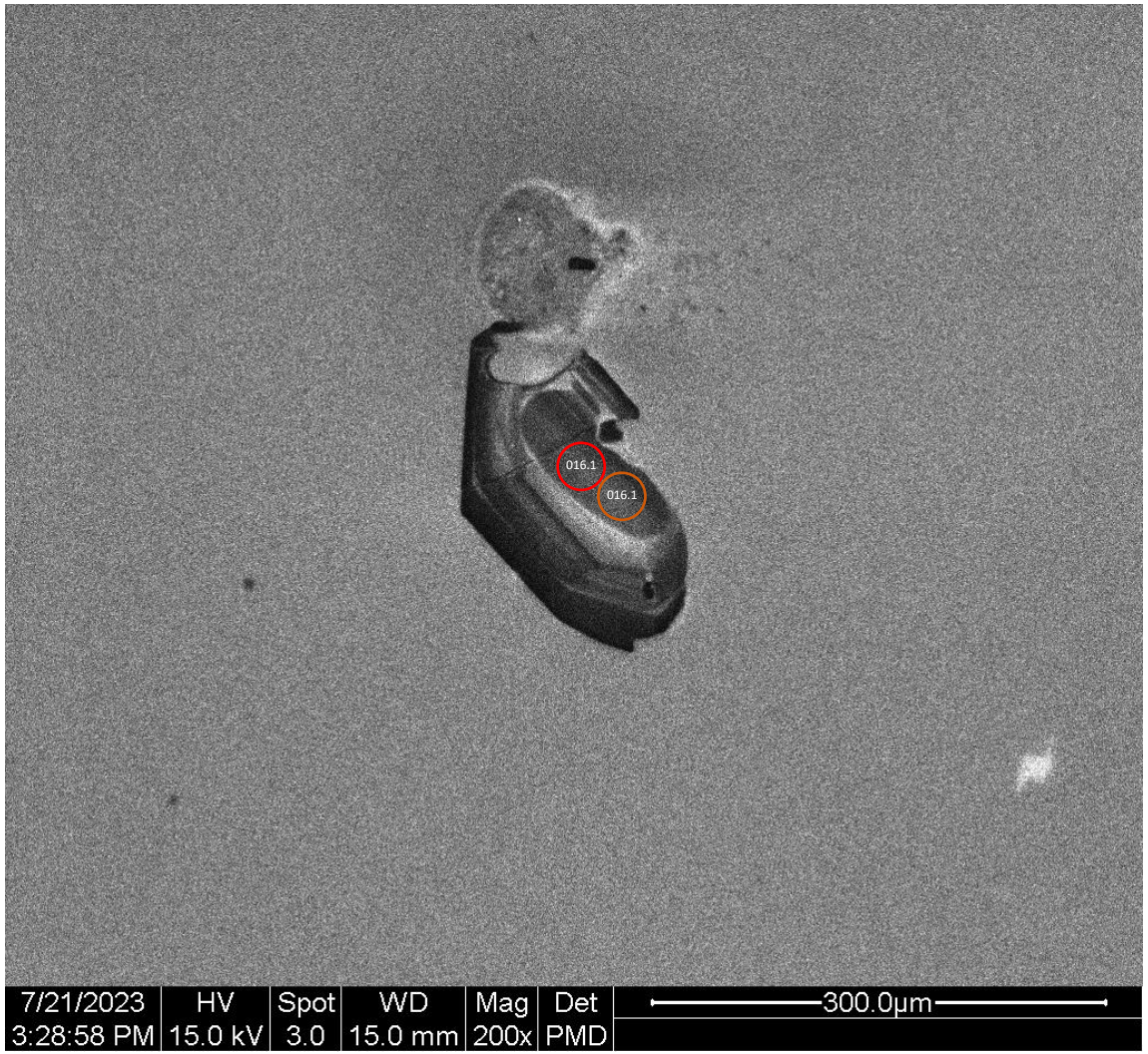
CG23CR07-CL_016.tif

1 x U-Pb

16.1

1 x TE

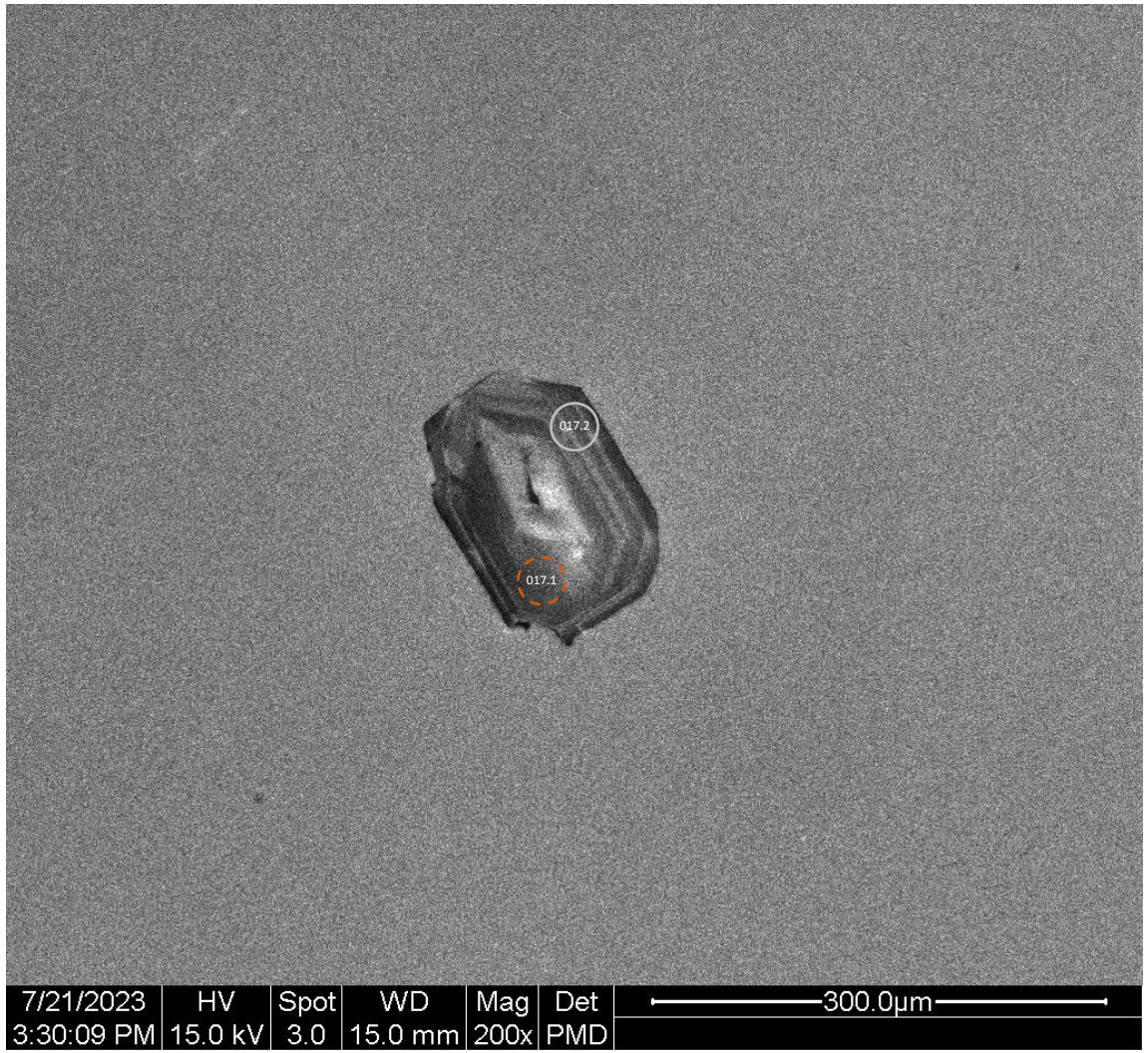
16.1



CG23CR07-CL_017.tif

2 x U-Pb

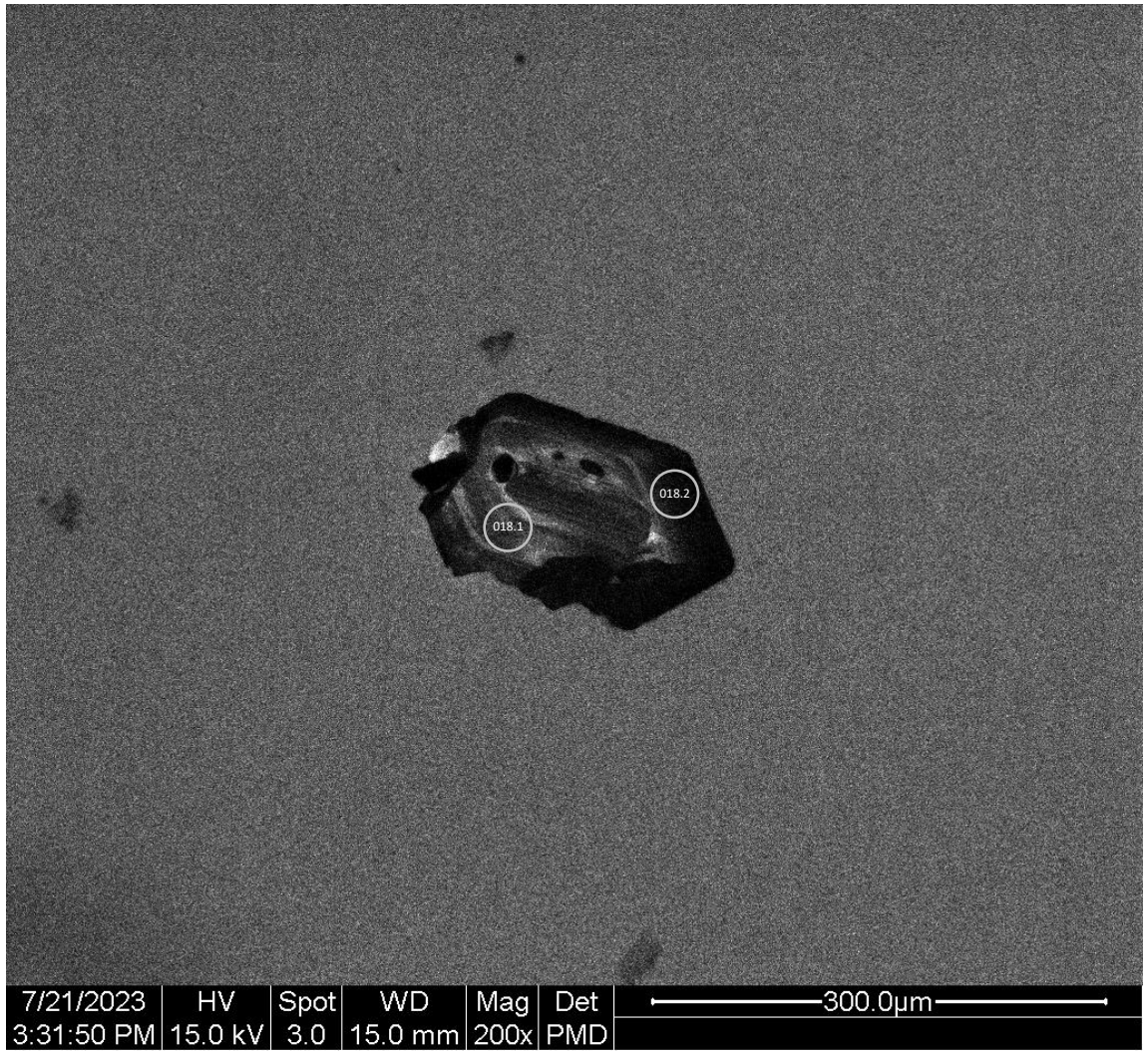
17.1, 17.2



CG23CR07-CL_018.tif

2 x U-Pb

18.1, 18.2



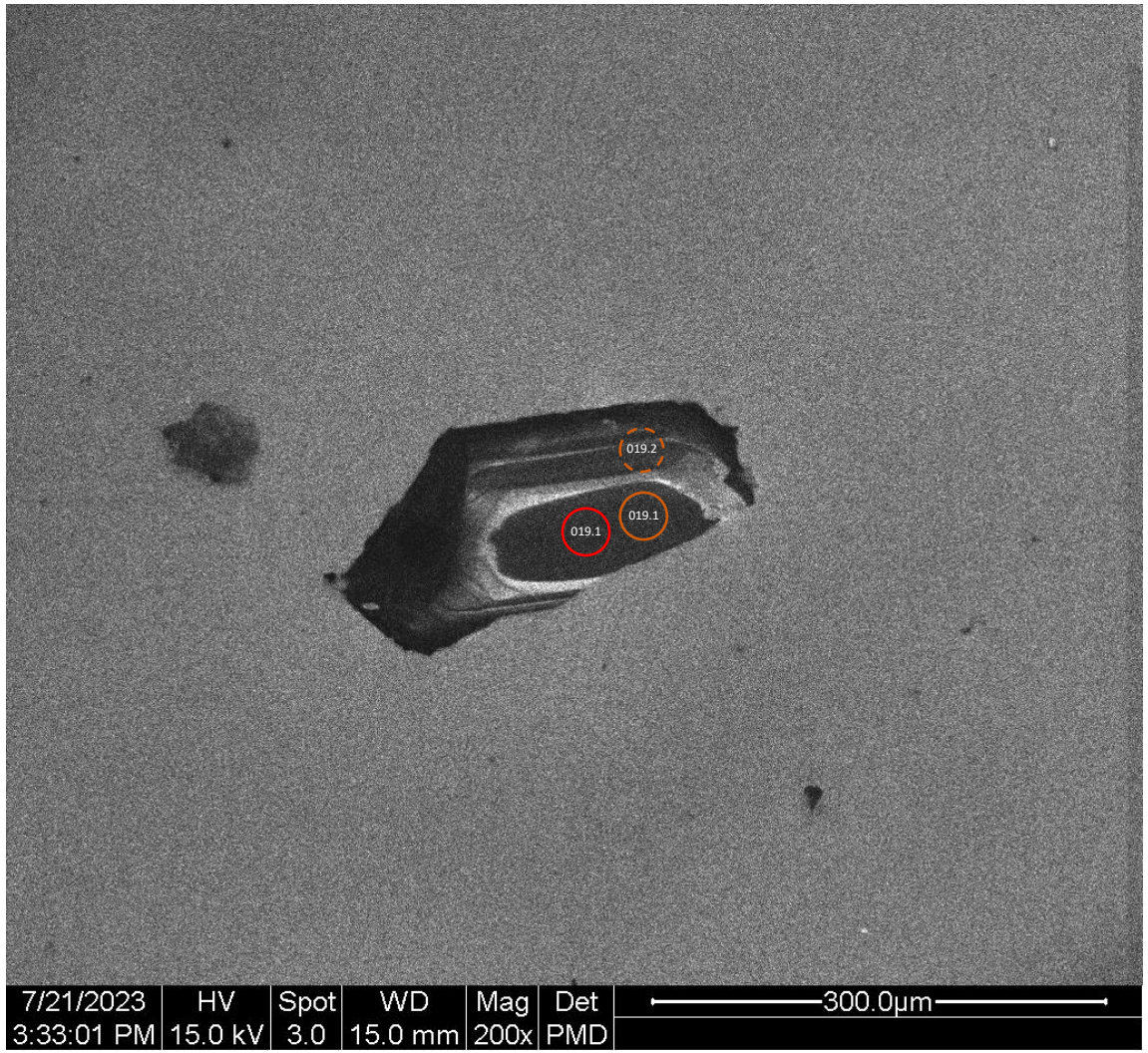
CG23CR07-CL_019.tif

2 x U-Pb

19.1, 19.2

1 x TE

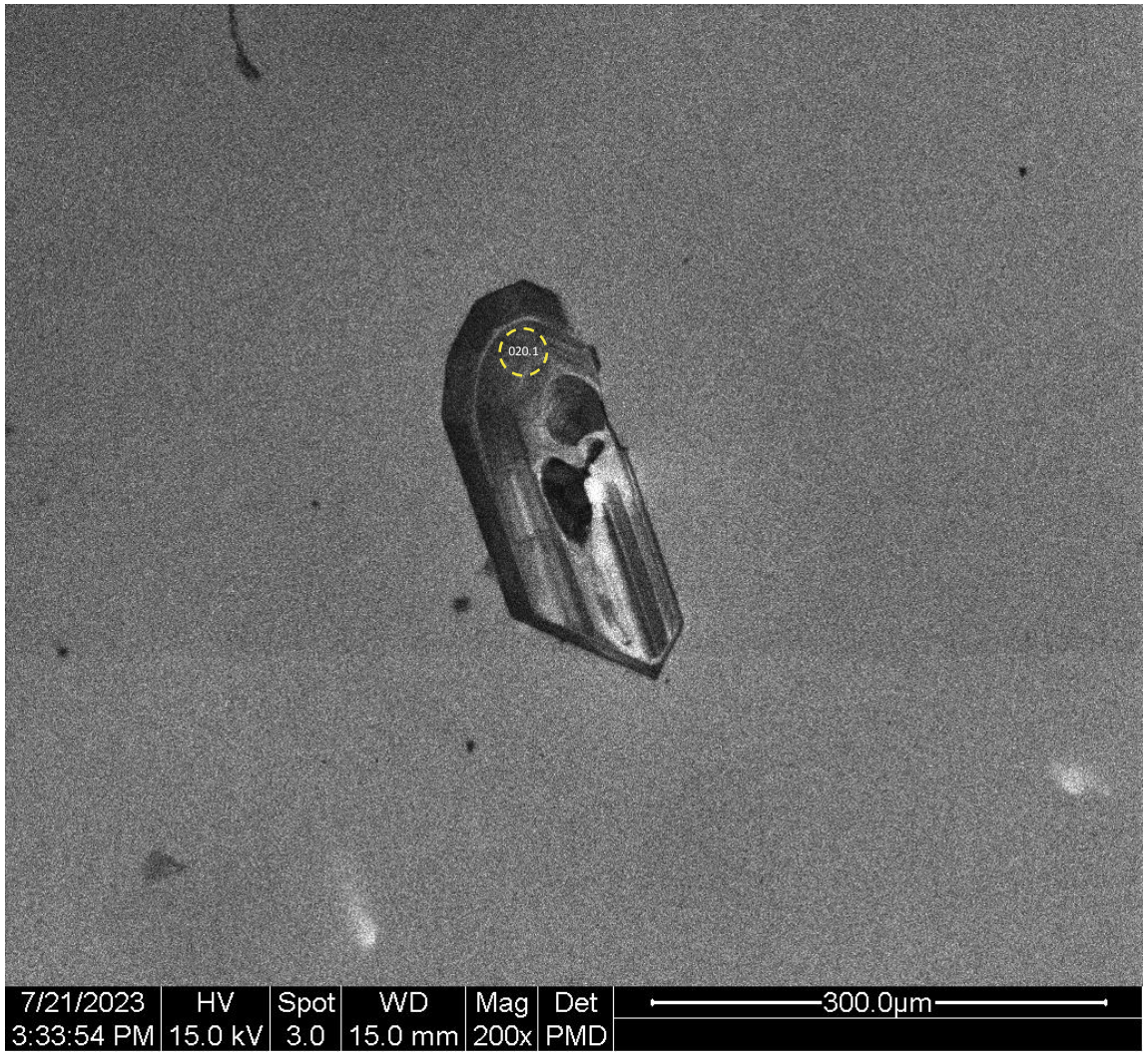
19.1



CG23CR07-
CL_020.tif

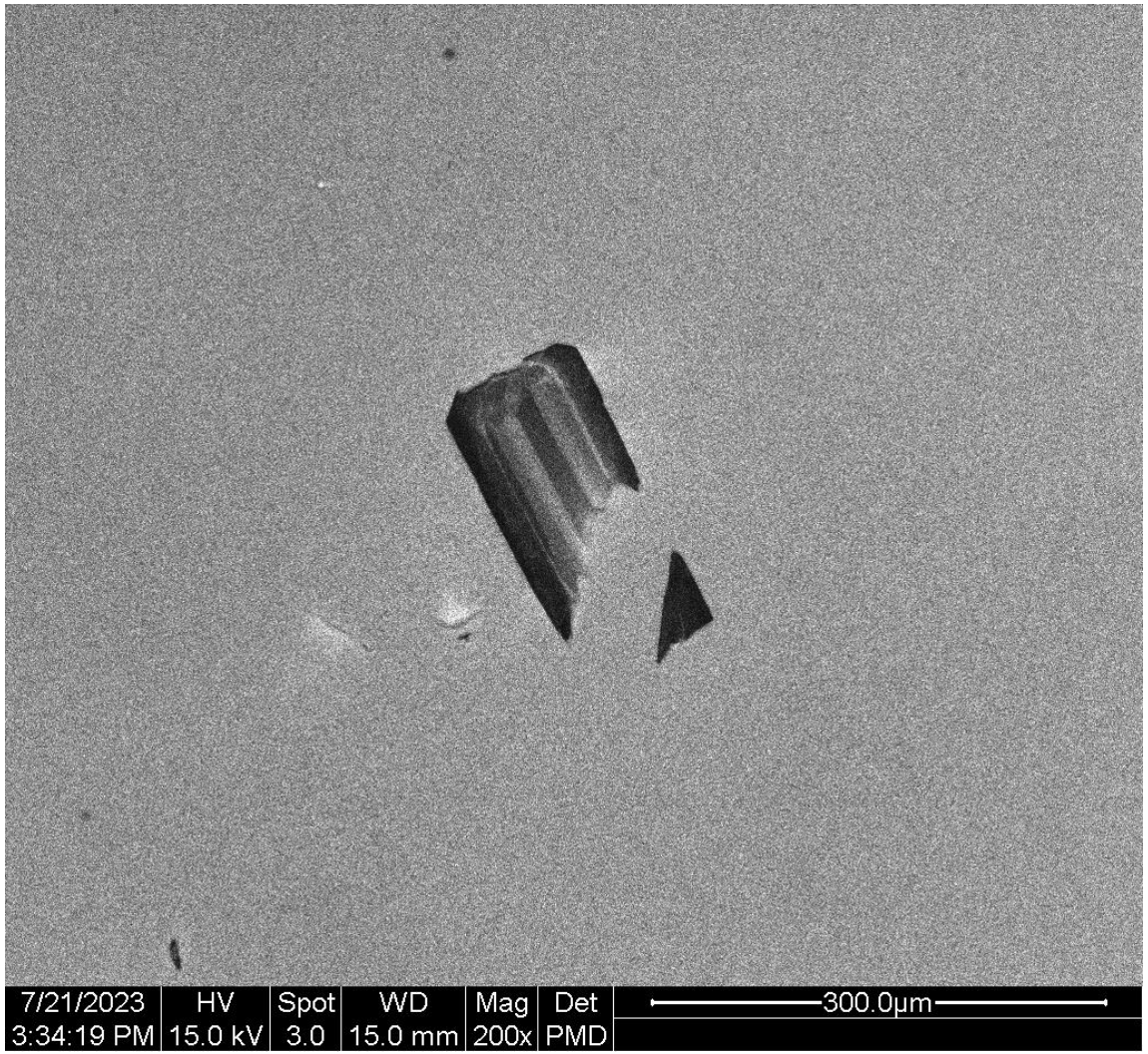
1 x U-Pb

20.1



CG23CR07-CL_021.tif

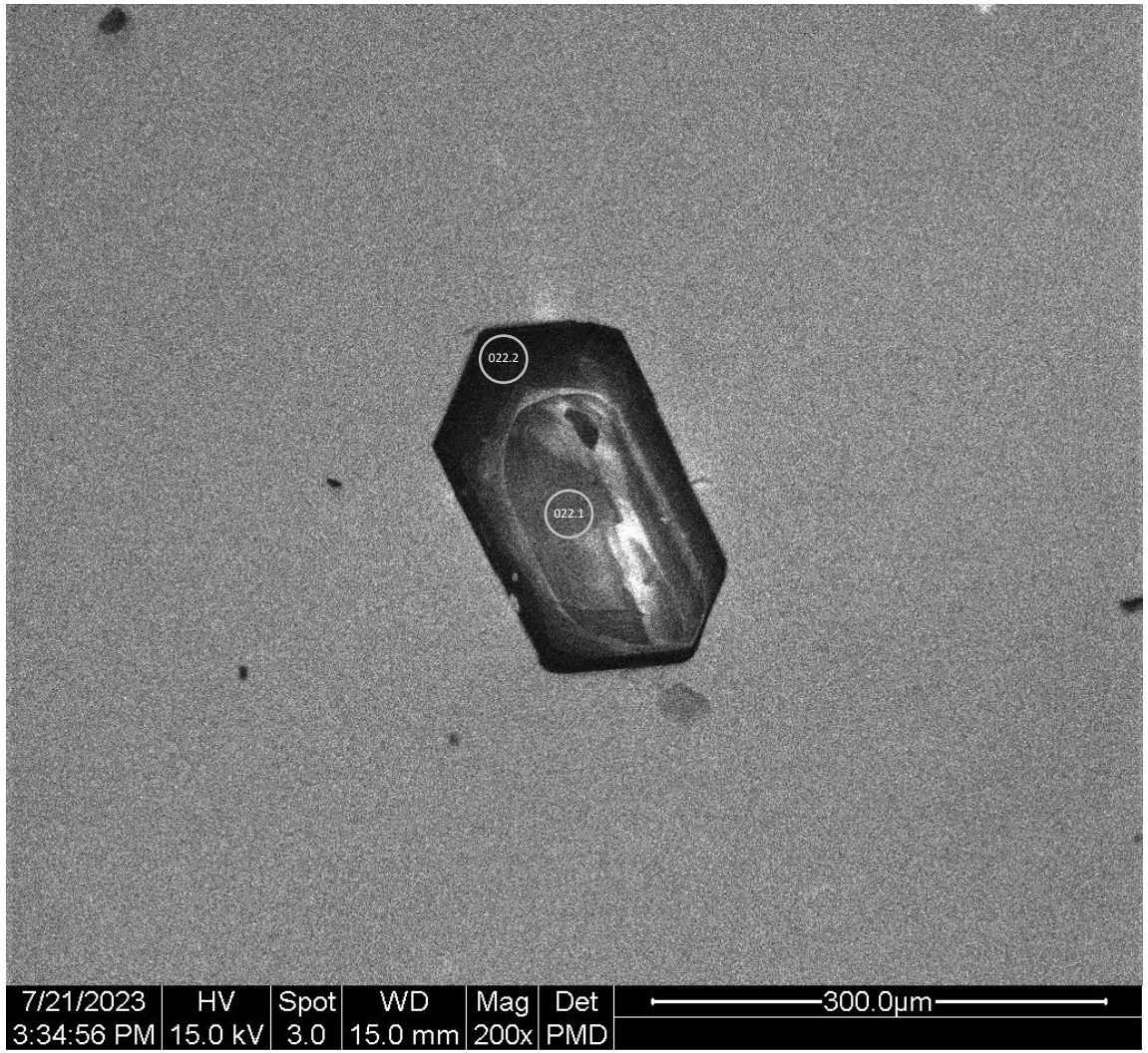
**NA**



CG23CR07-
CL_022.tif

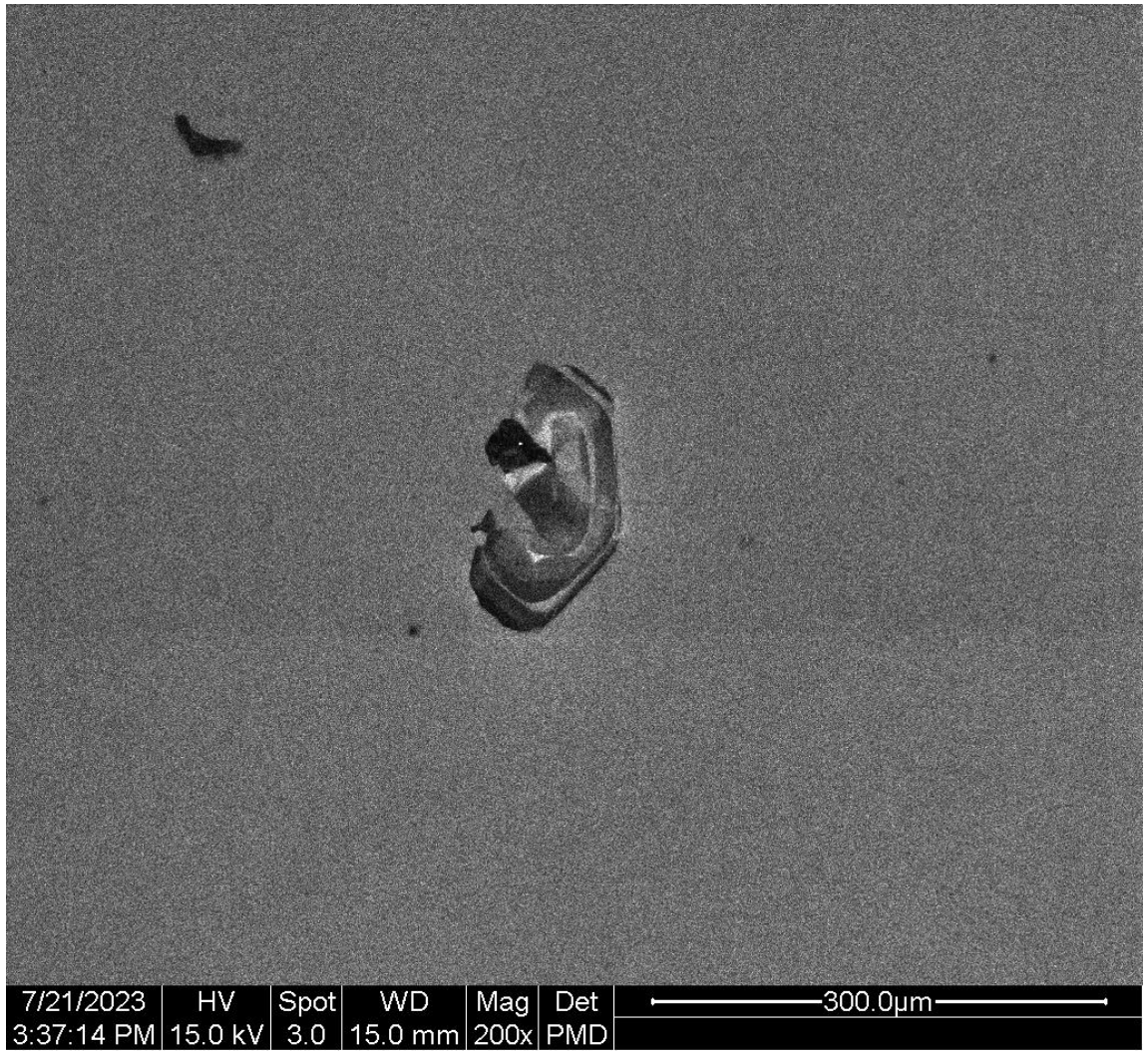
2 x U-Pb

22.1, 22.2



CG23CR07-CL_023.tif

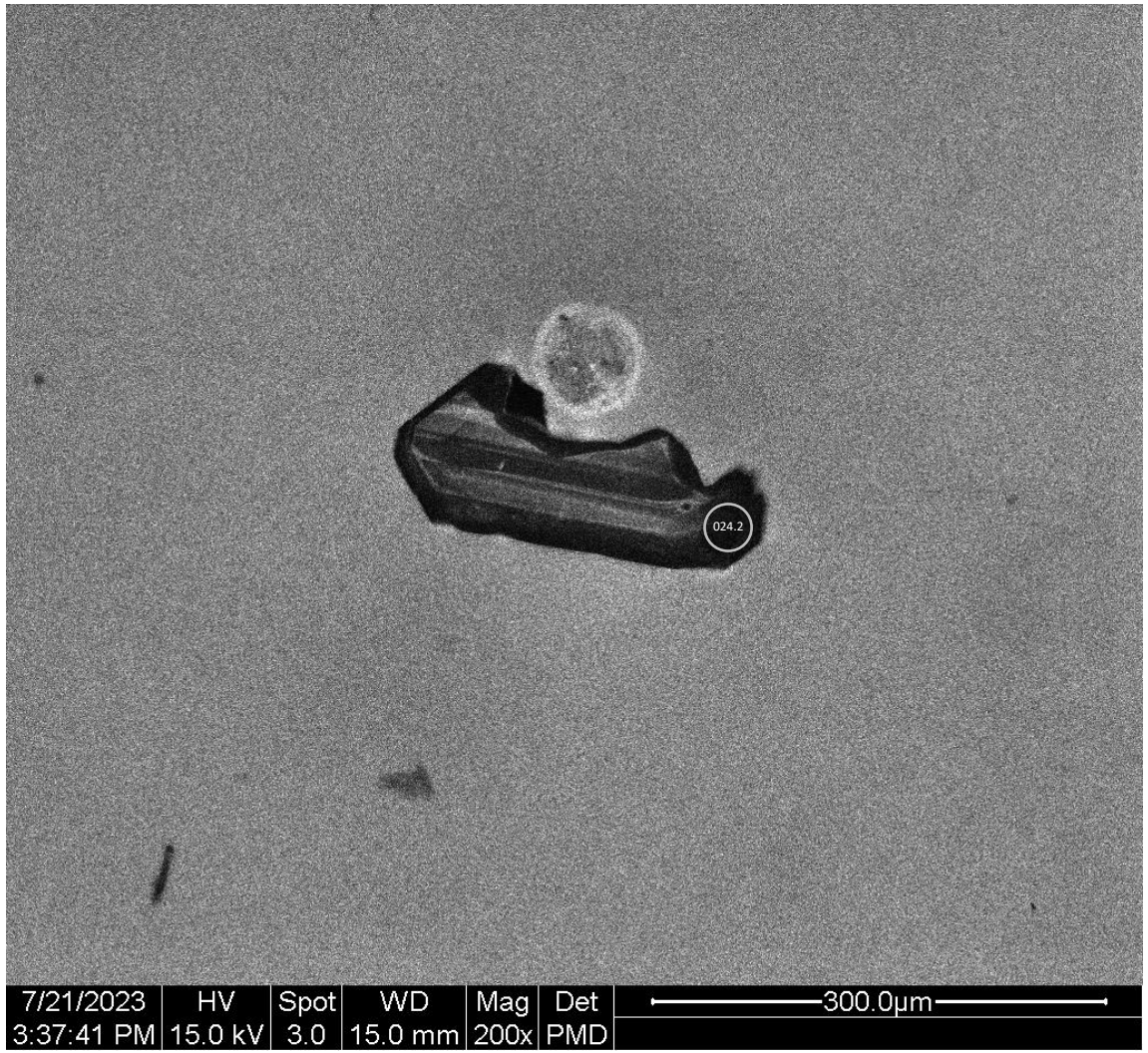
**NA**



CG23CR07-CL_024.tif

1 x U-Pb

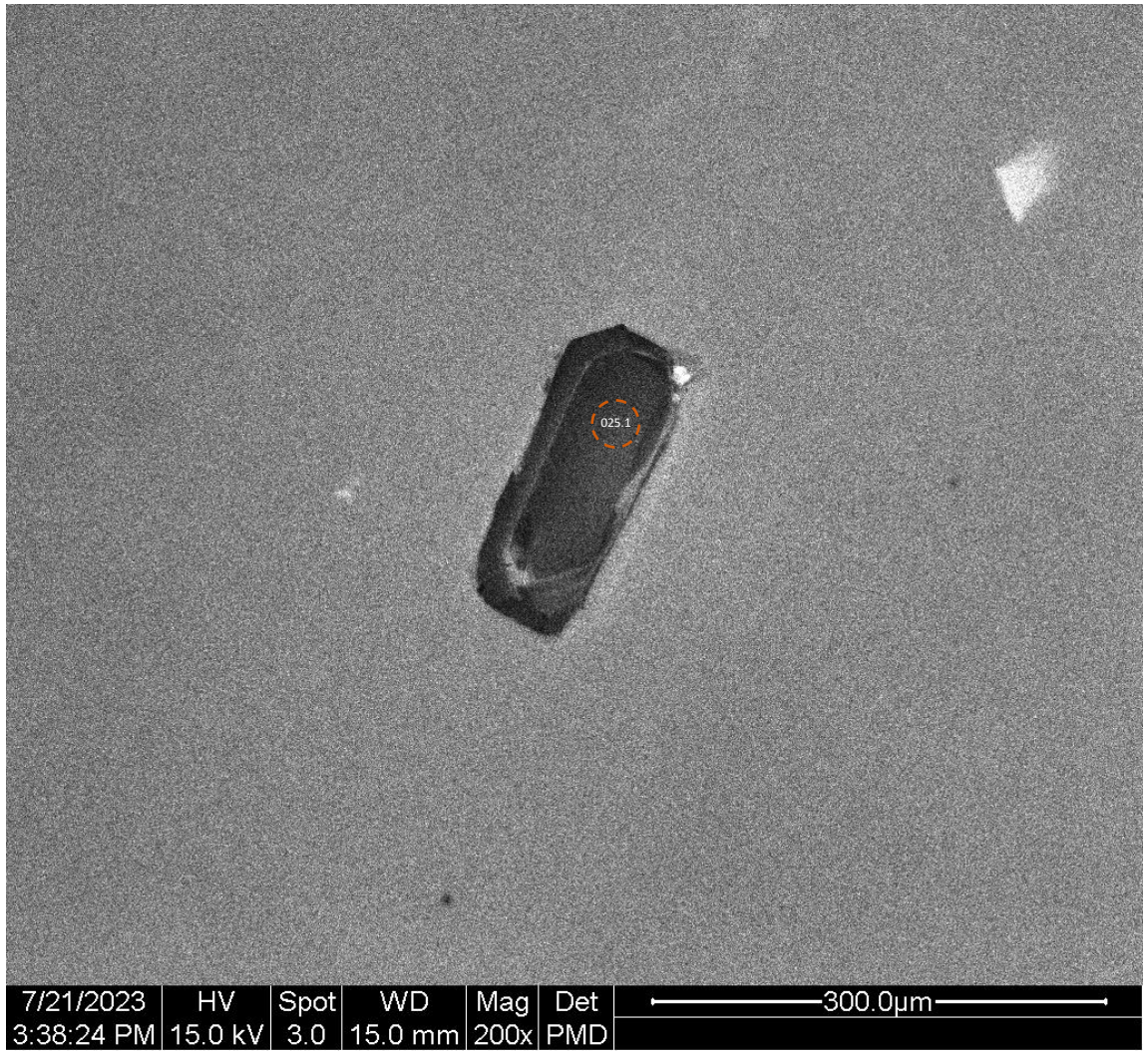
24.2



CG23CR07-CL_025.tif

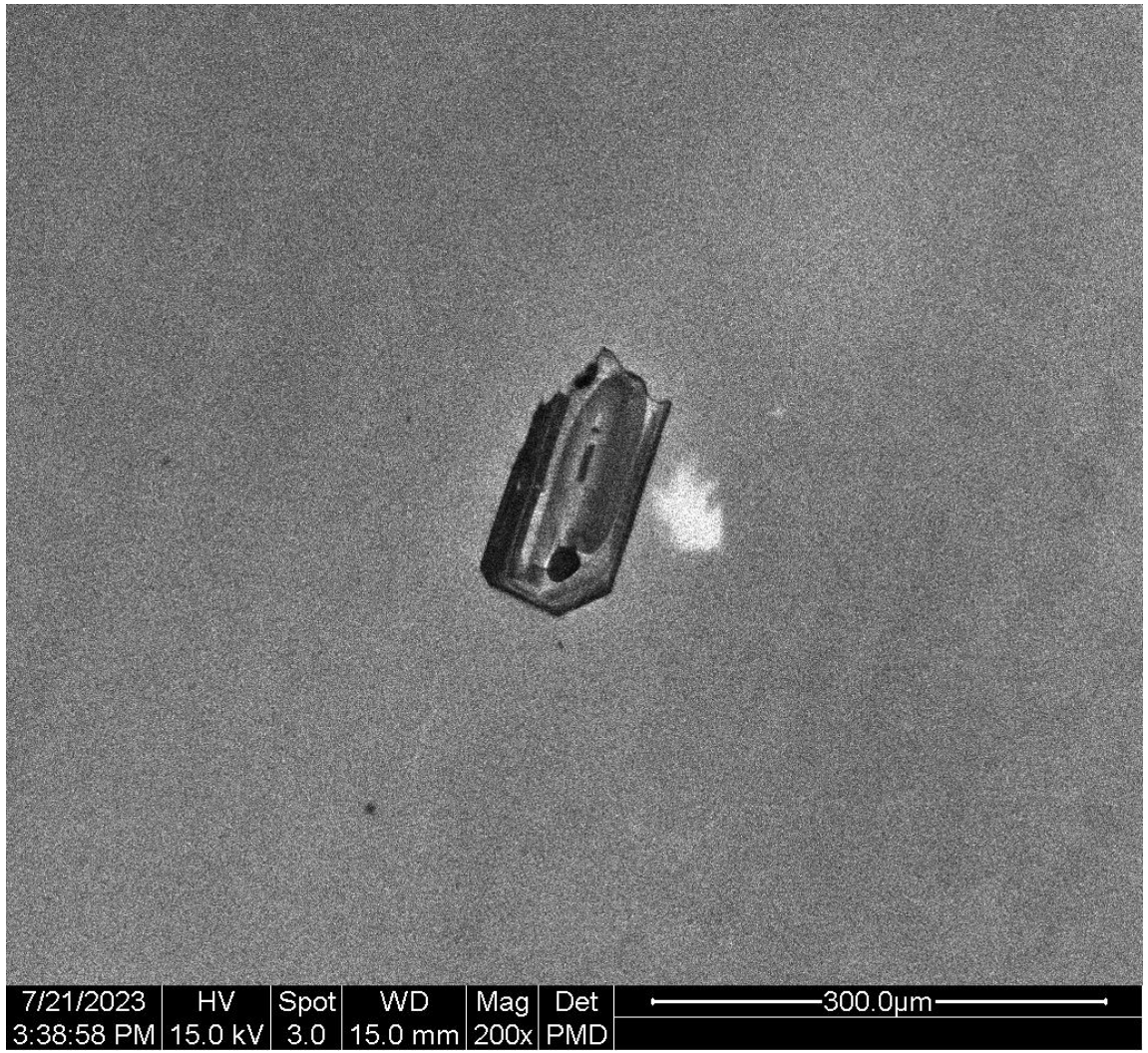
1 x U-Pb

25.1



CG23CR07-CL_026.tif

**NA**



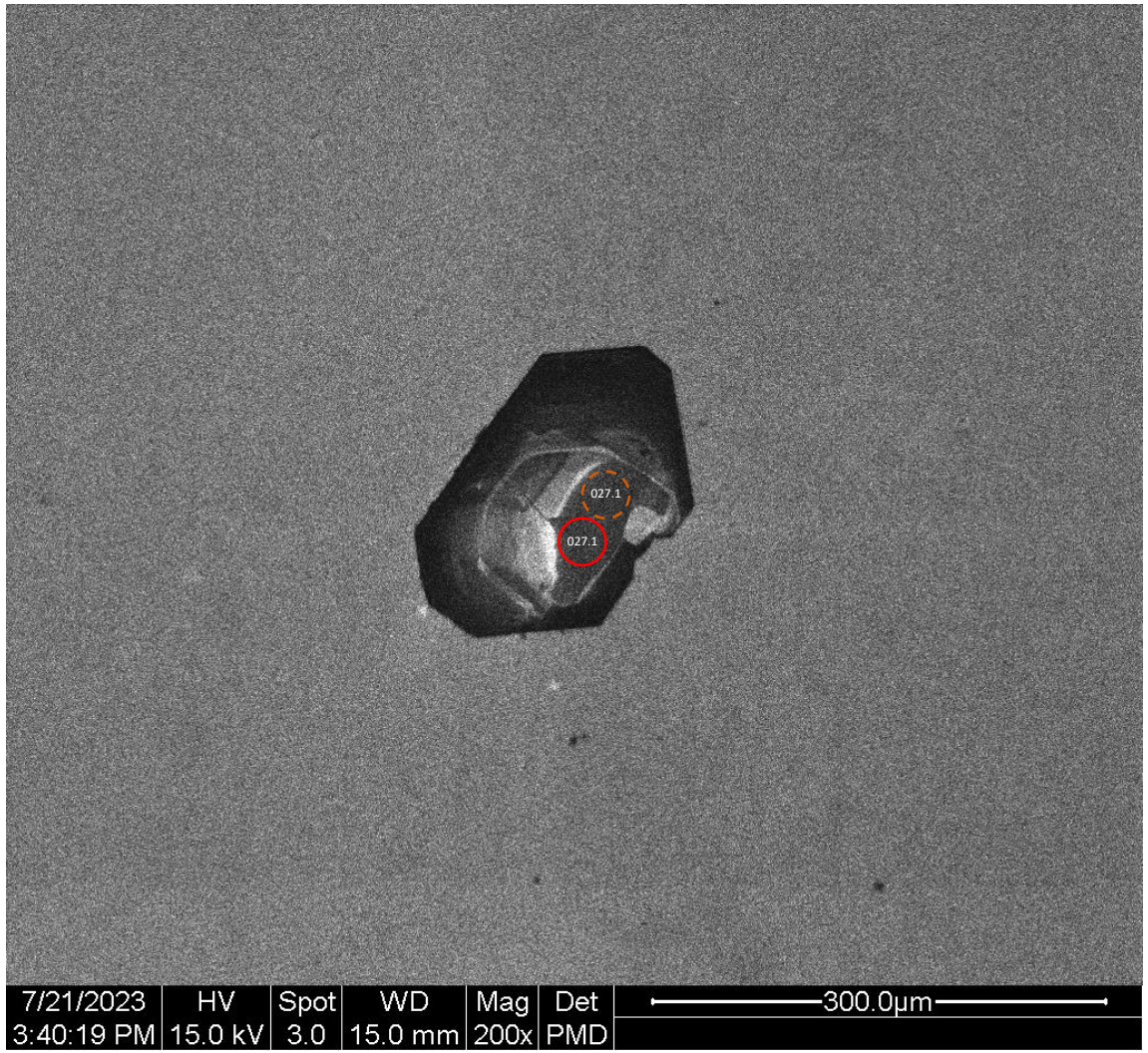
CG23CR07-CL_027.tif

1 x U-Pb

27.1

1 x TE

27.1



CG23CR07-
CL_028.tif

2 x U-Pb

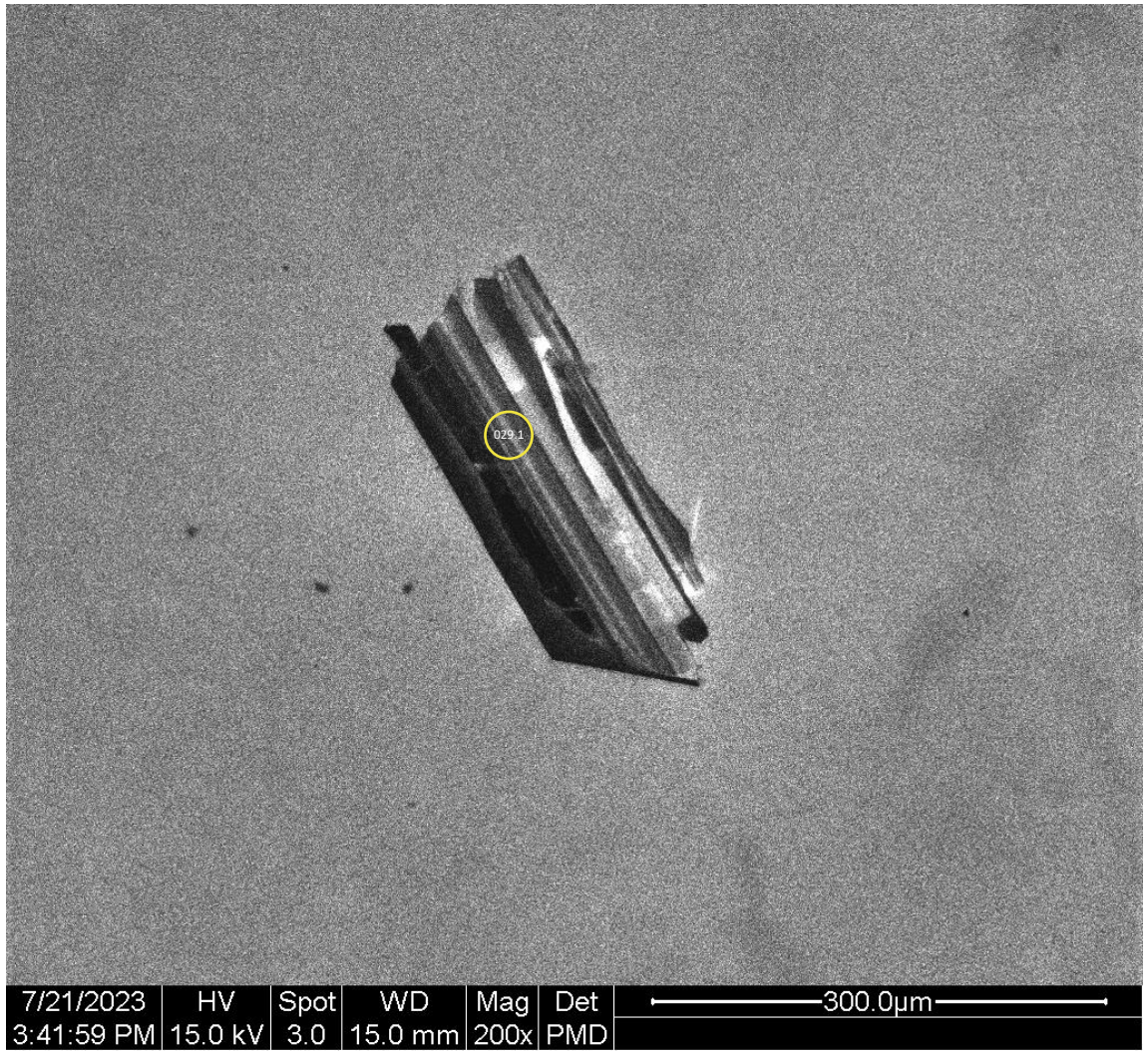
28.1, 28.2



CG23CR07-CL_029.tif

1 x U-Pb

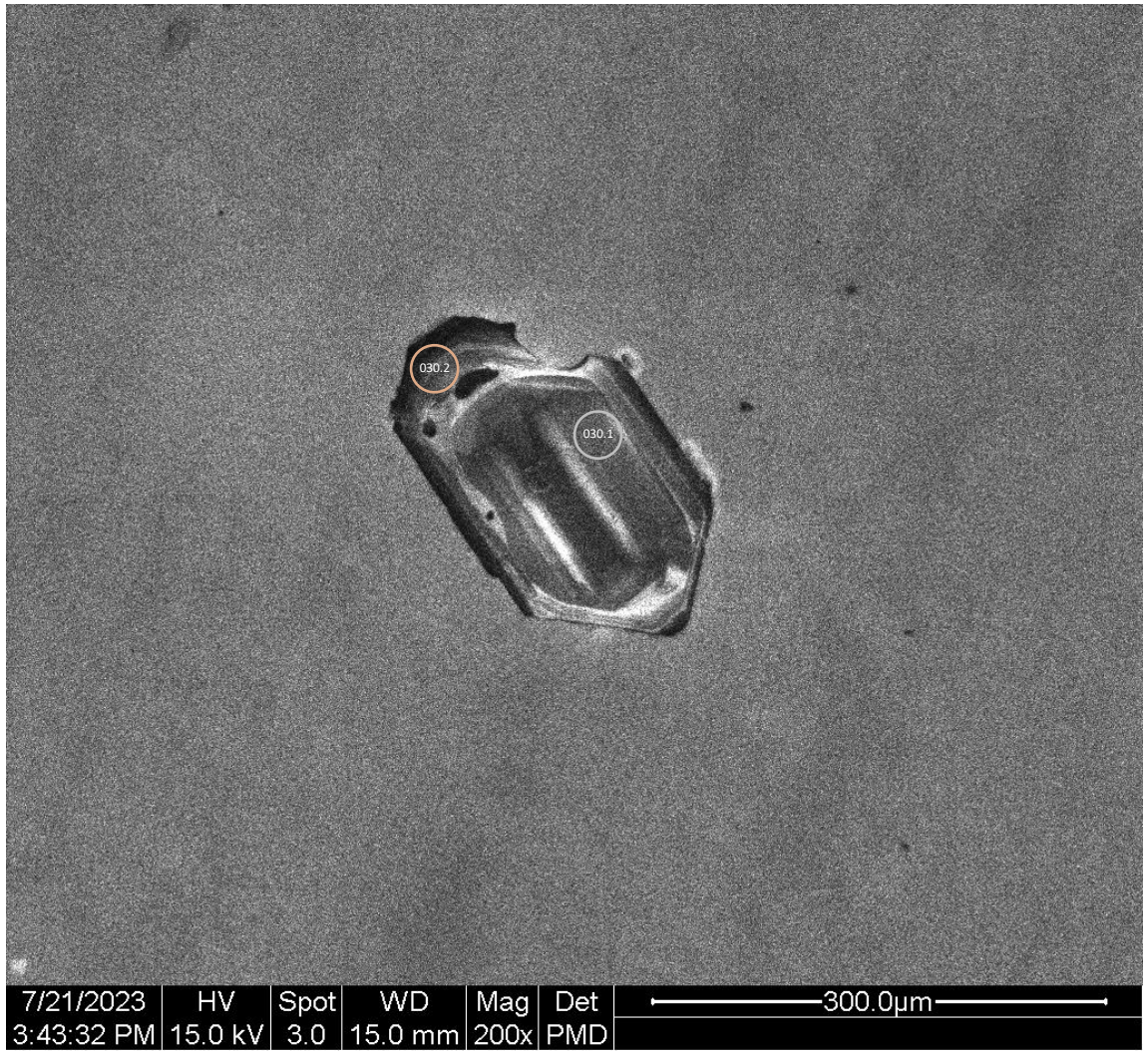
29.1



CG23CR07-CL_030.tif

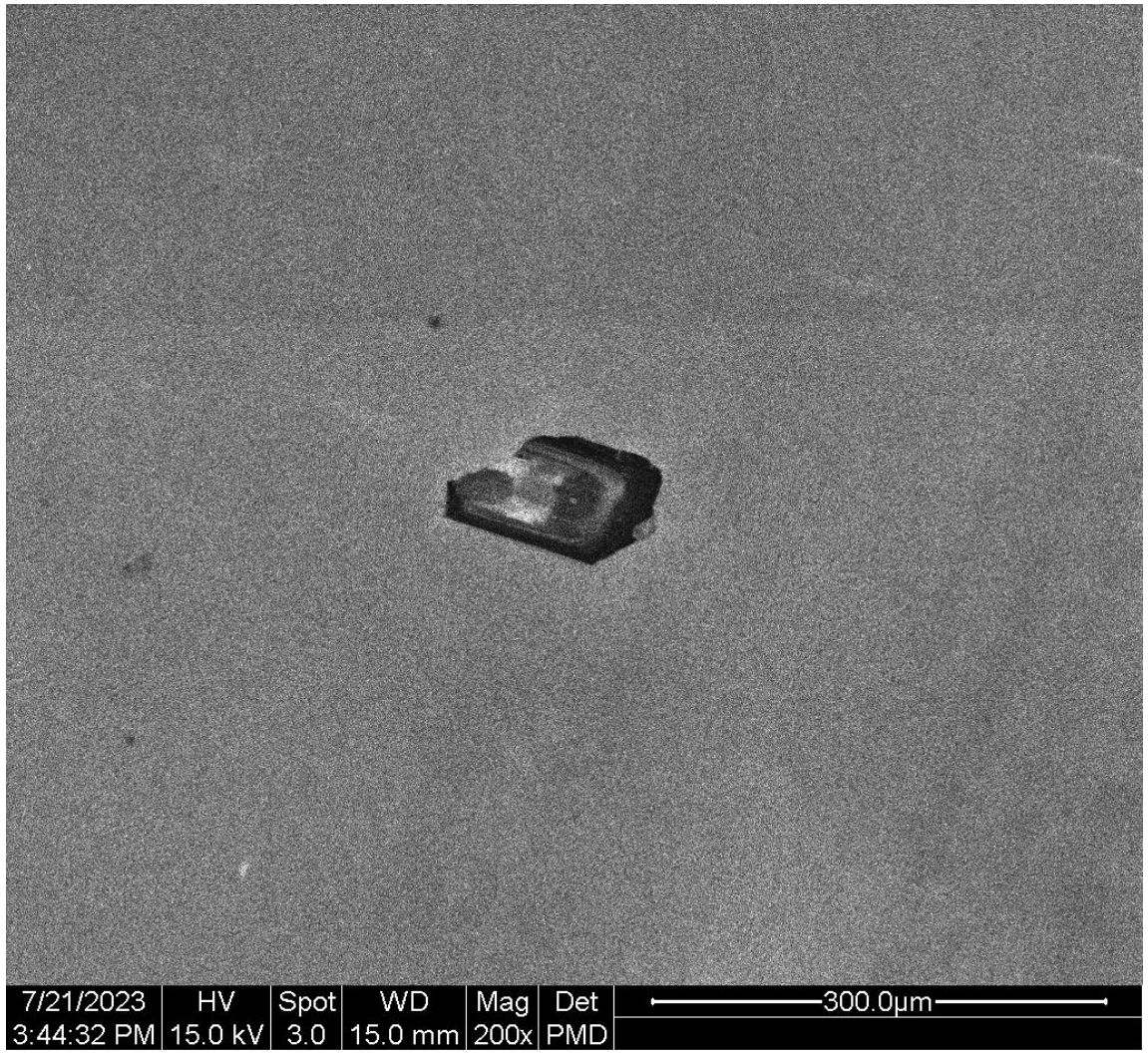
2 x U-Pb

30.1, 30.2



CG23CR07-CL_031.tif

**NA**



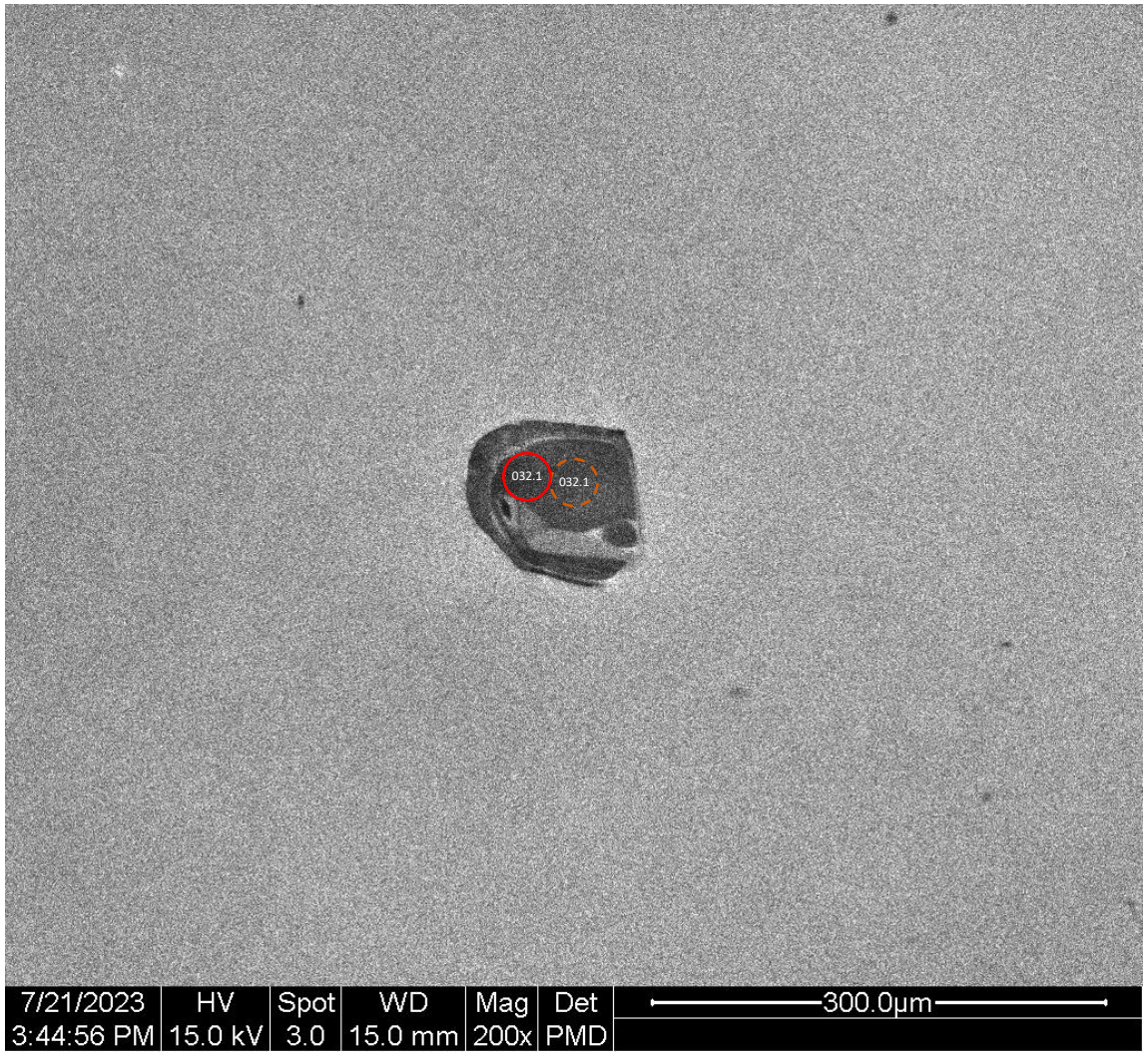
CG23CR07-CL_032.tif

1 x U-Pb

32.1

1 x TE

32.1



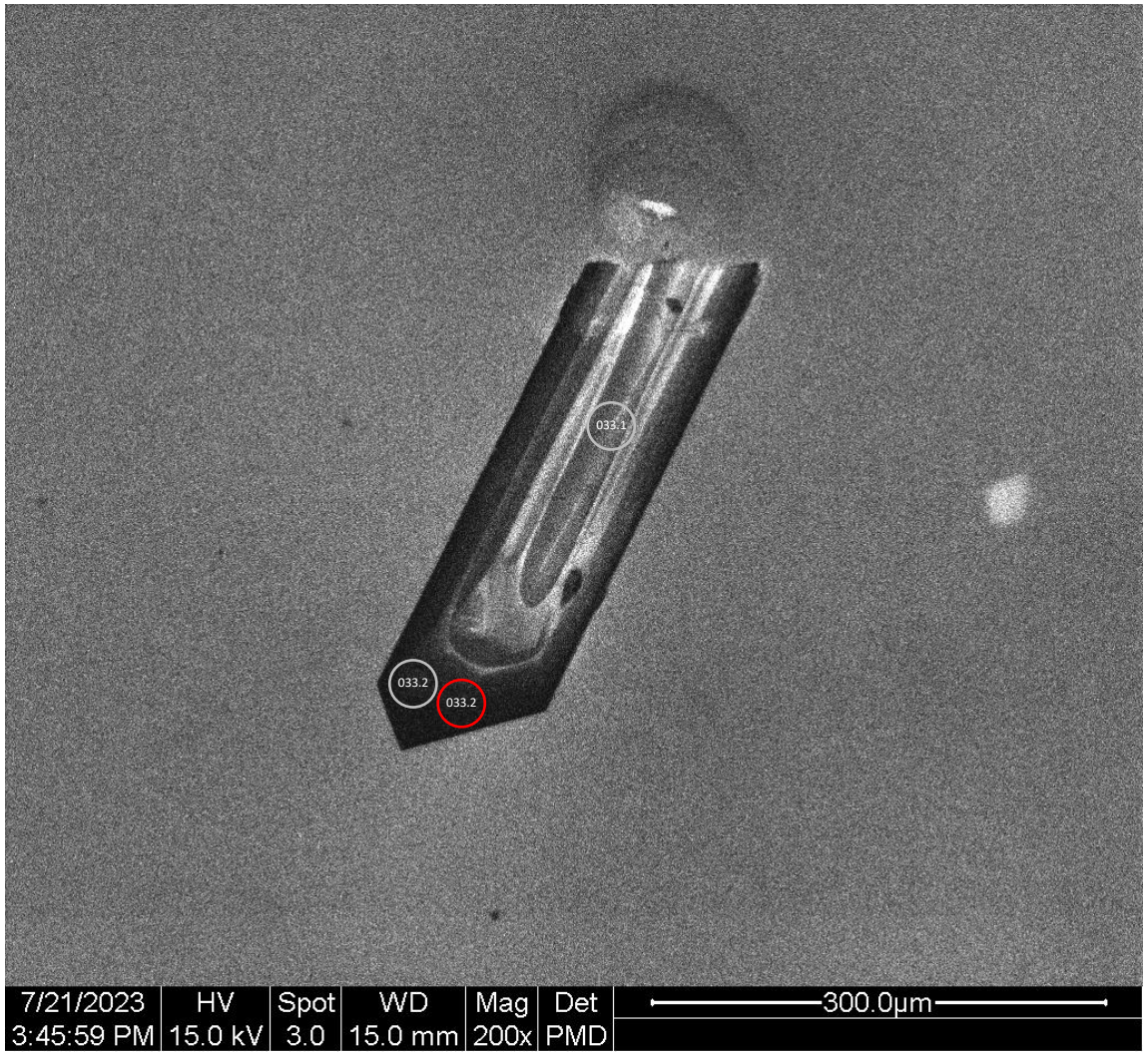
CG23CR07-CL_033.tif

2 x U-Pb

33.1, 33.2

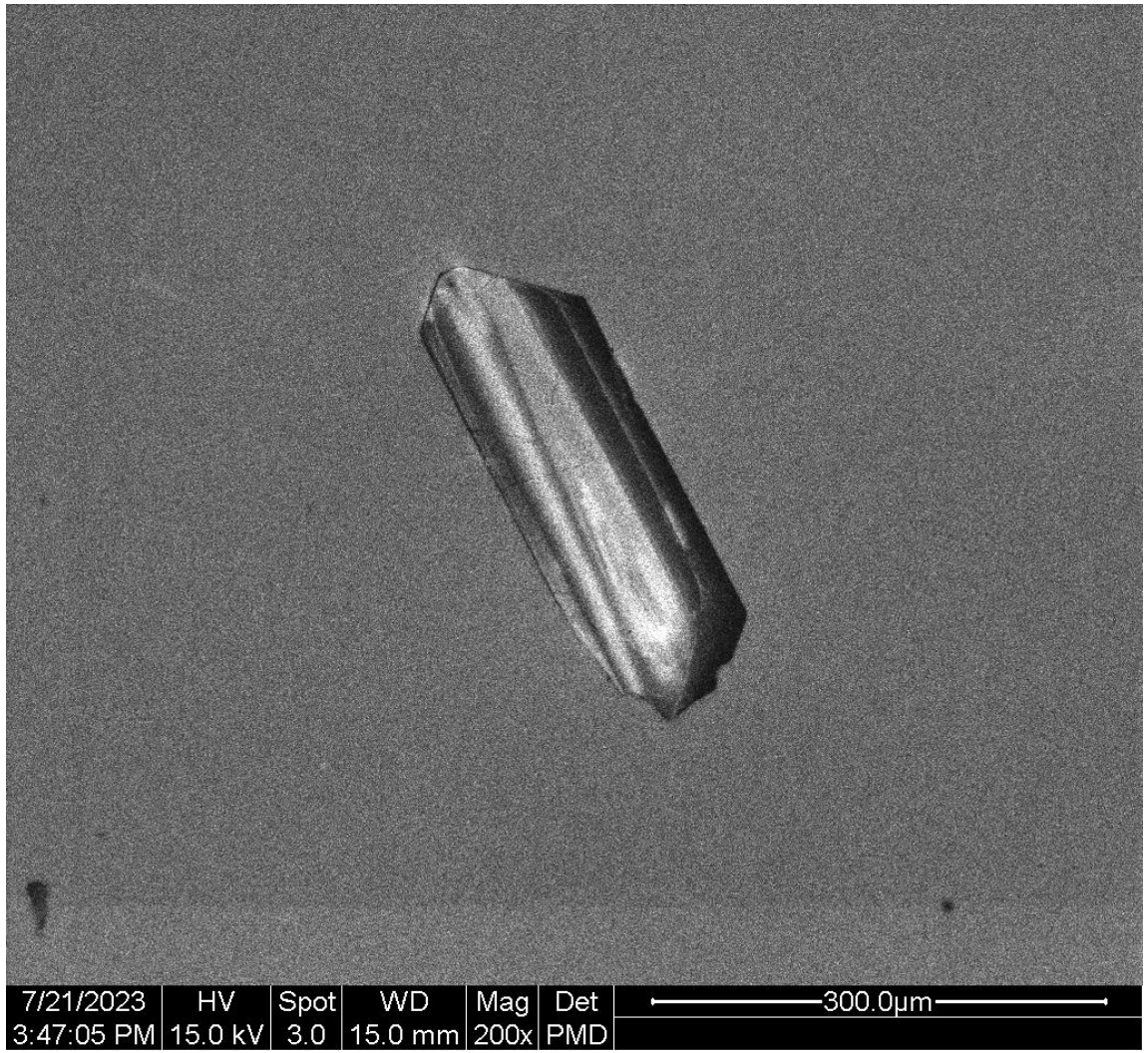
1 x TE

33.2



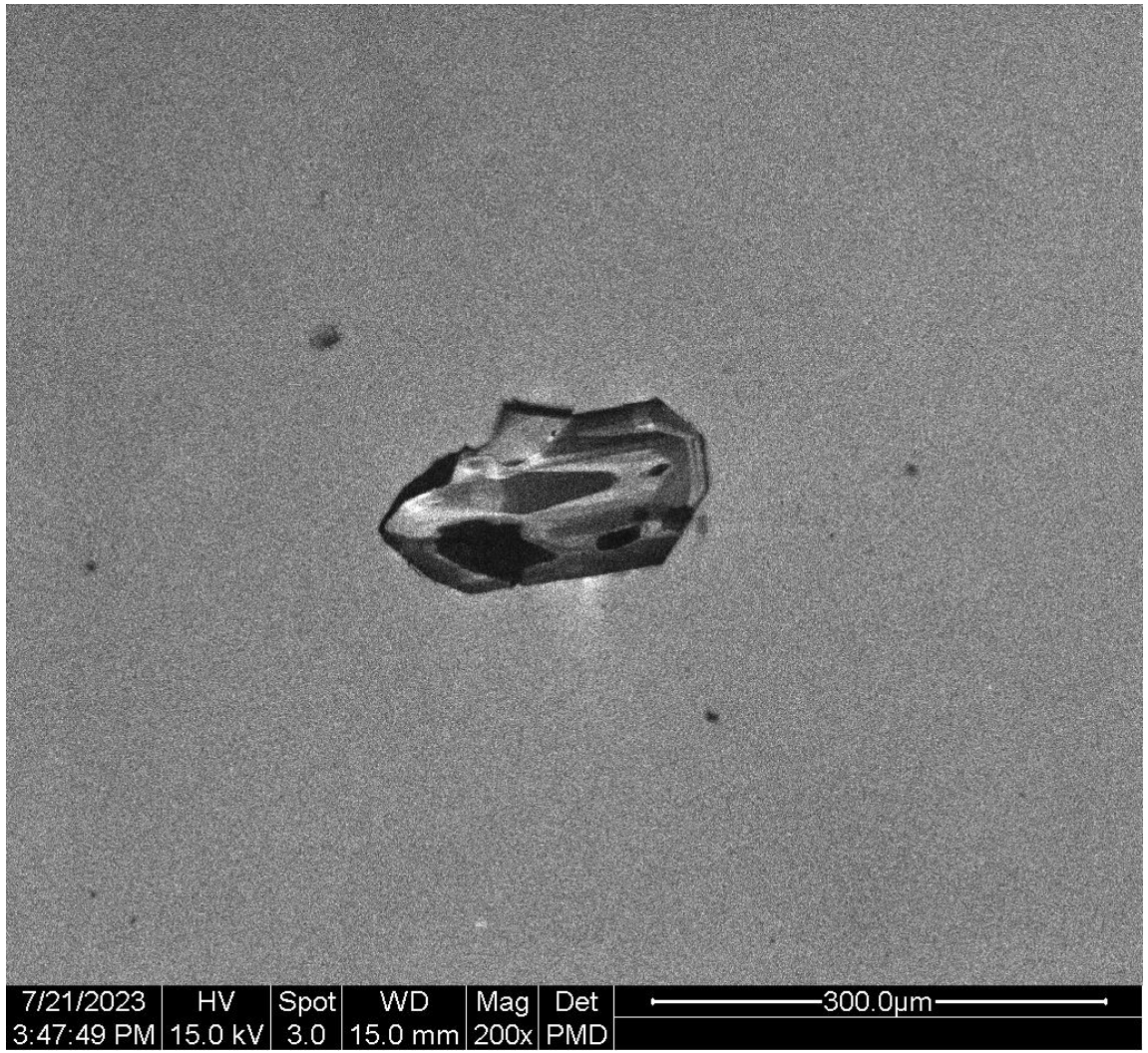
CG23CR07-
CL_034.tif

**NA**



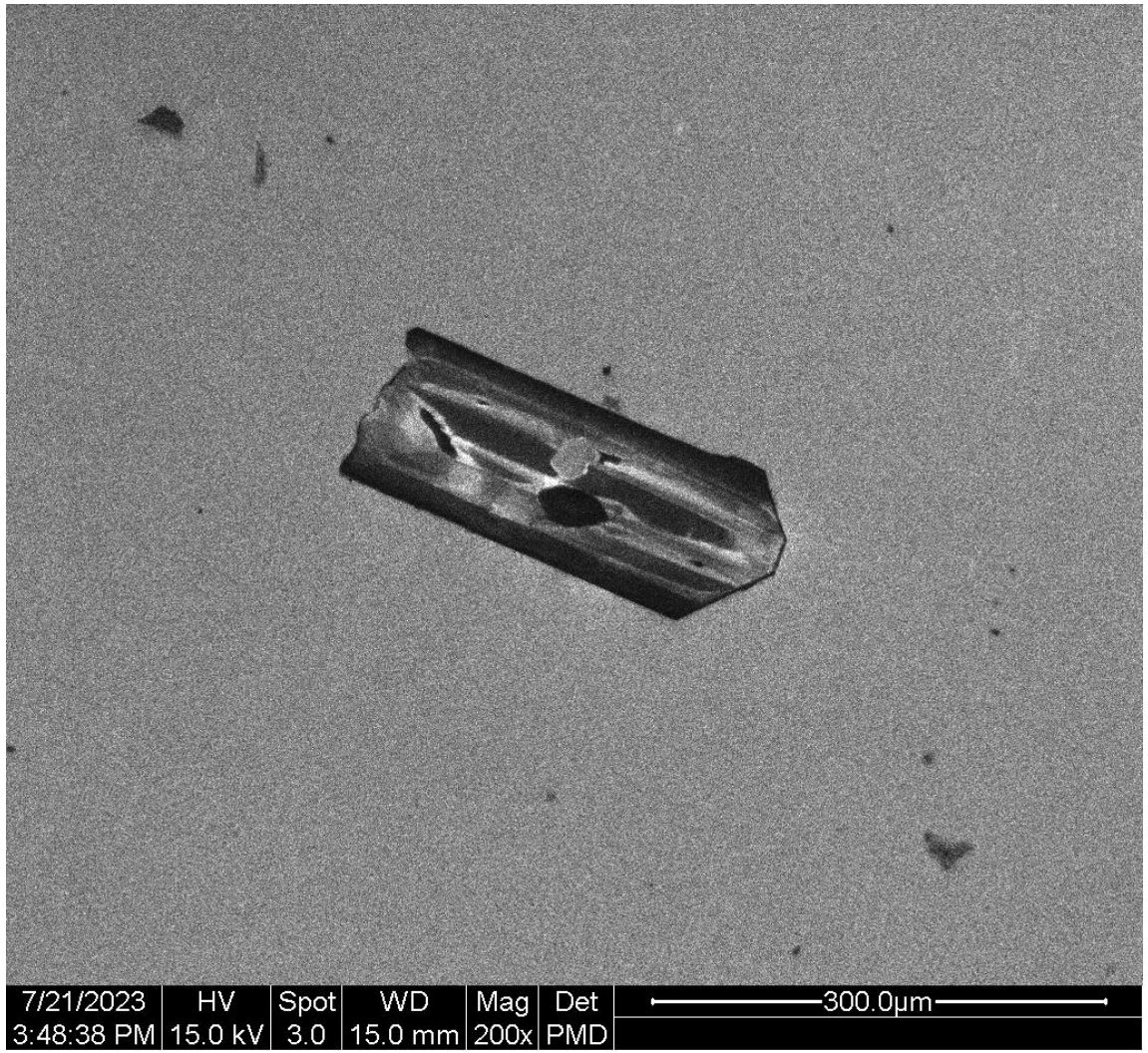
CG23CR07-CL_035.tif

**NA**



CG23CR07-CL_036.tif

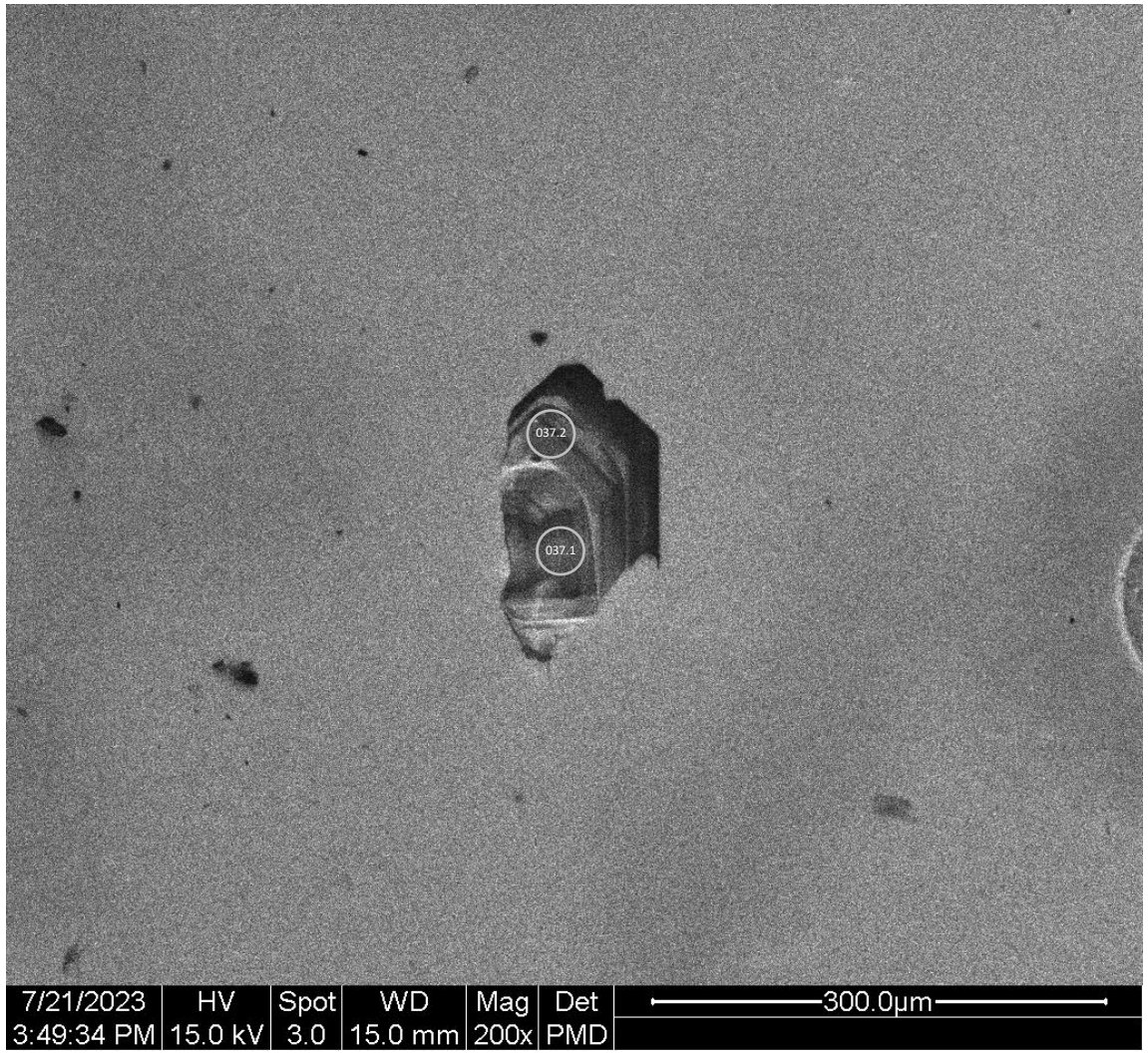
**NA**



CG23CR07-CL_037.tif

2 x U-Pb

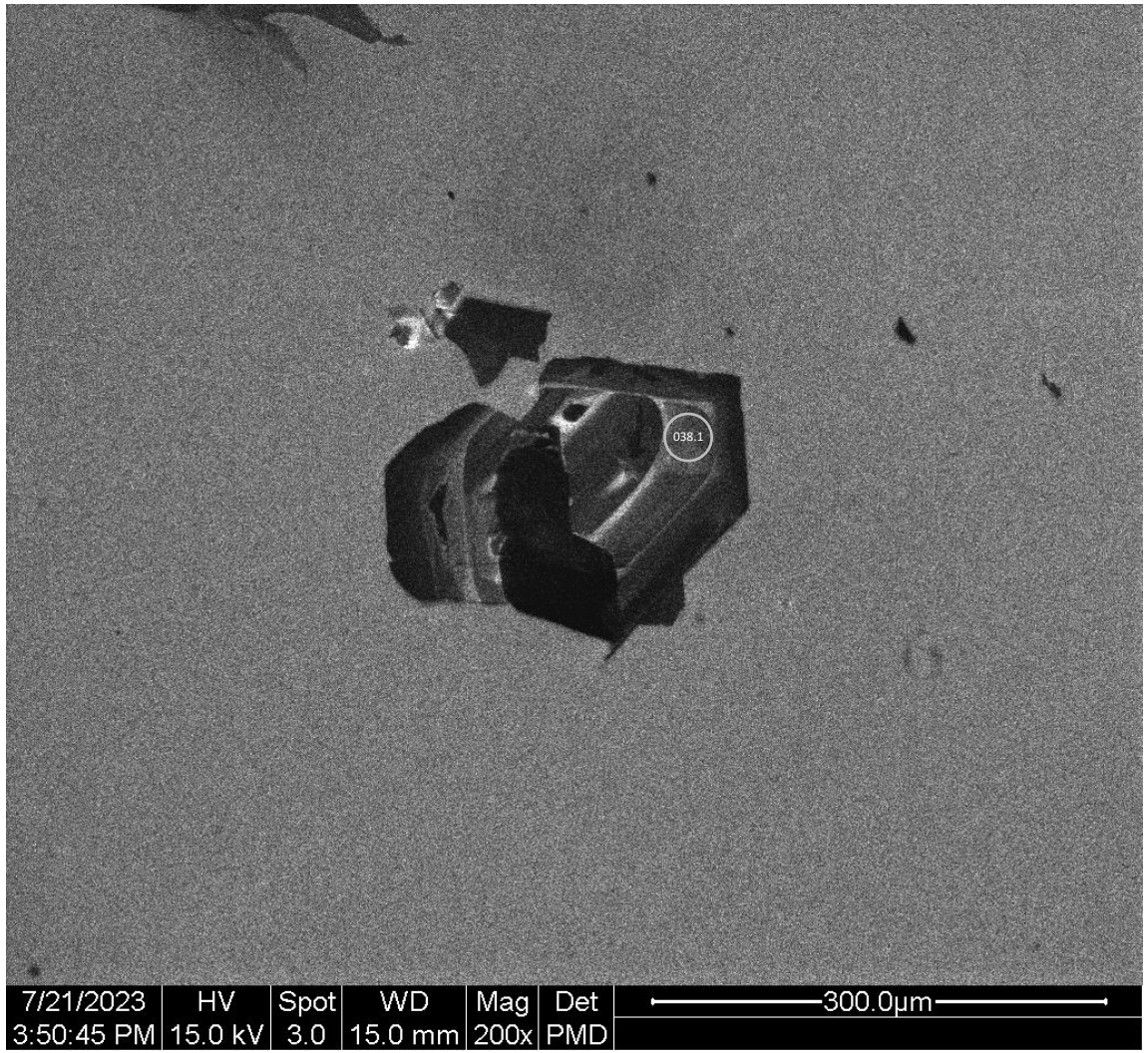
37.1, 37.2



CG23CR07-CL_038.tif

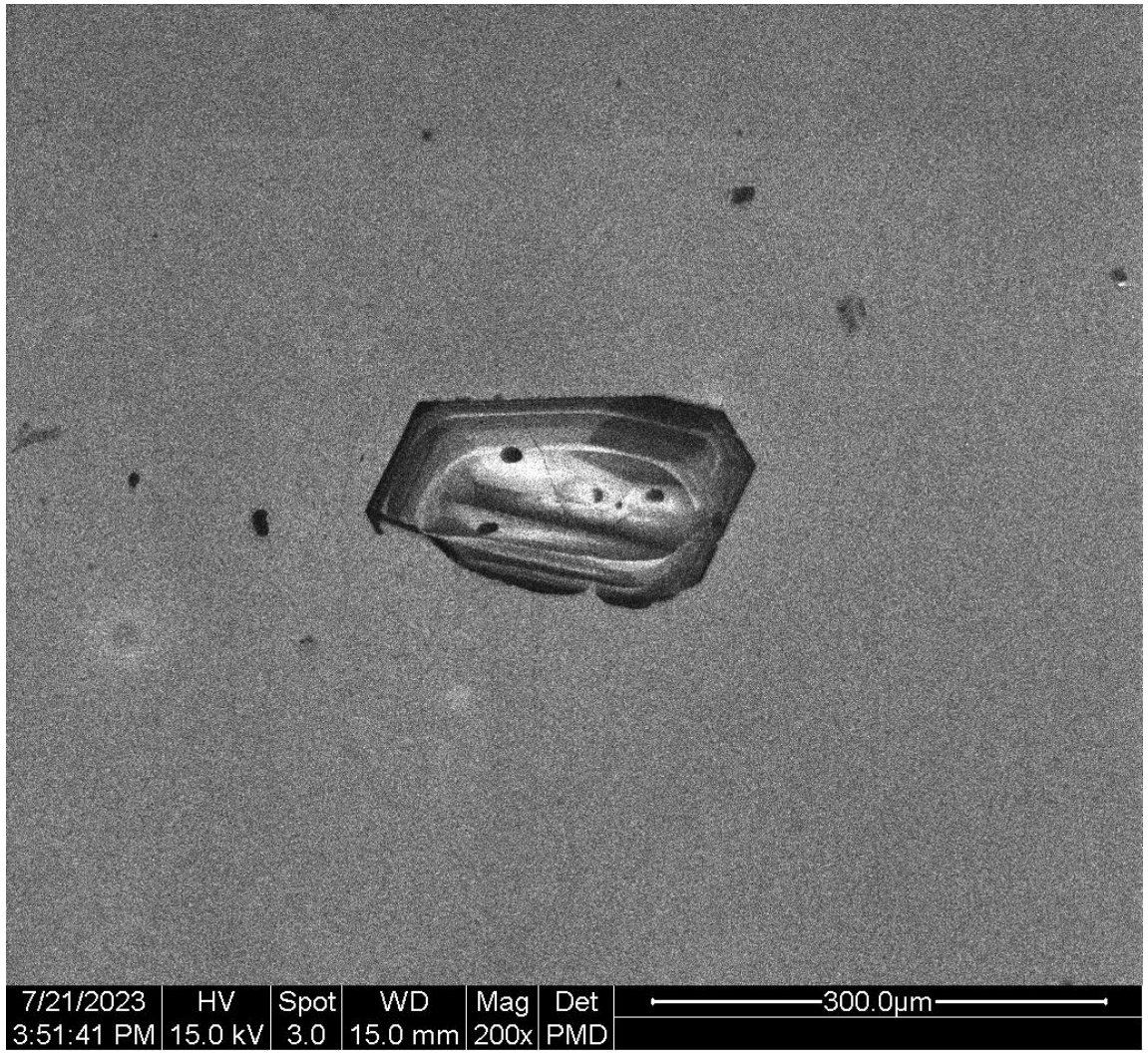
1 x U-Pb

38.1



CG23CR07-CL_039.tif

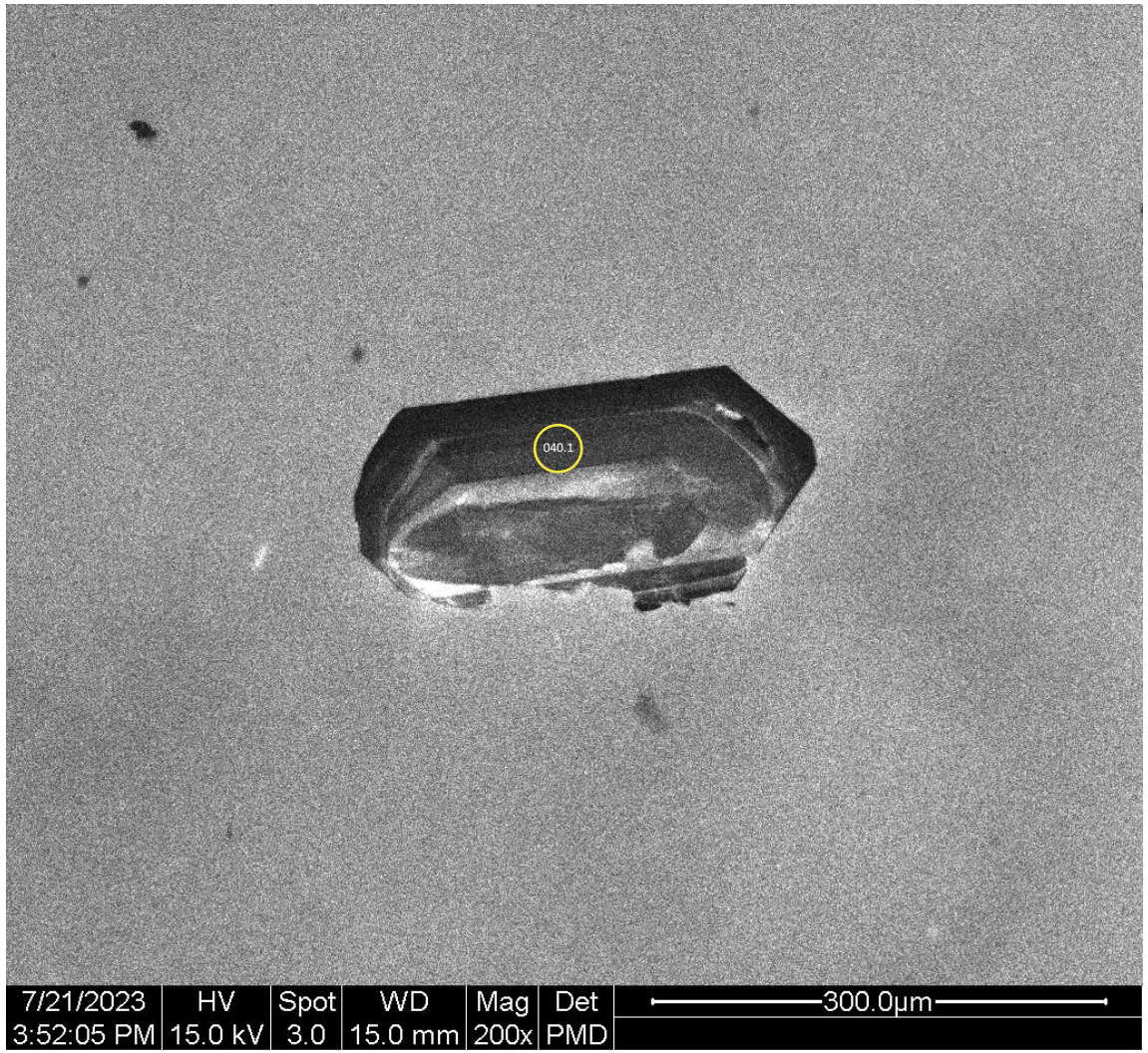
**NA**



CG23CR07-CL_040.tif

1 x U-Pb

40.1



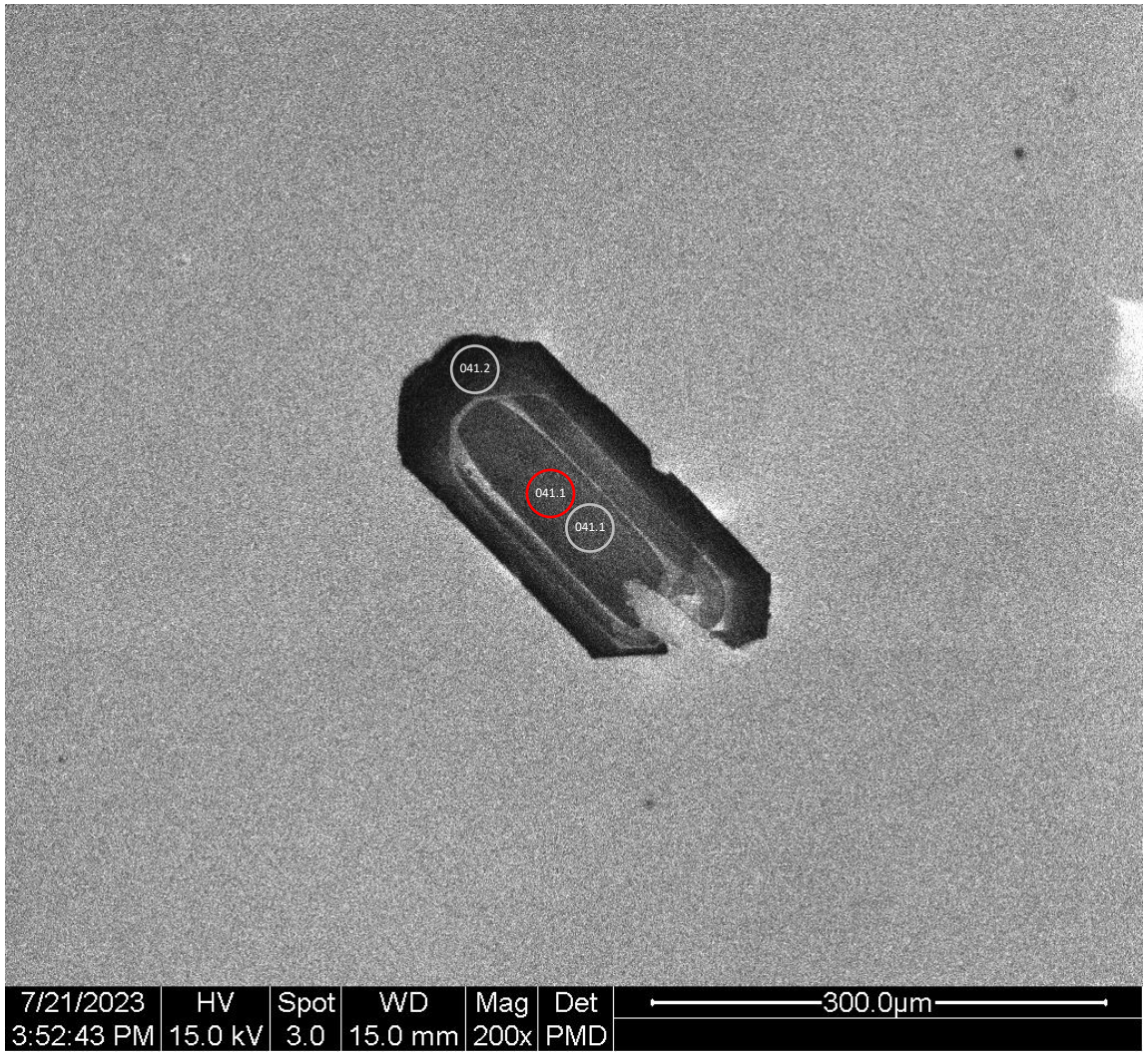
CG23CR07-
CL_041.tif

2 x U-Pb

41.1, 41.2

1 x TE

41.1



CG23CR07-
CL_042.tif

2 x U-Pb

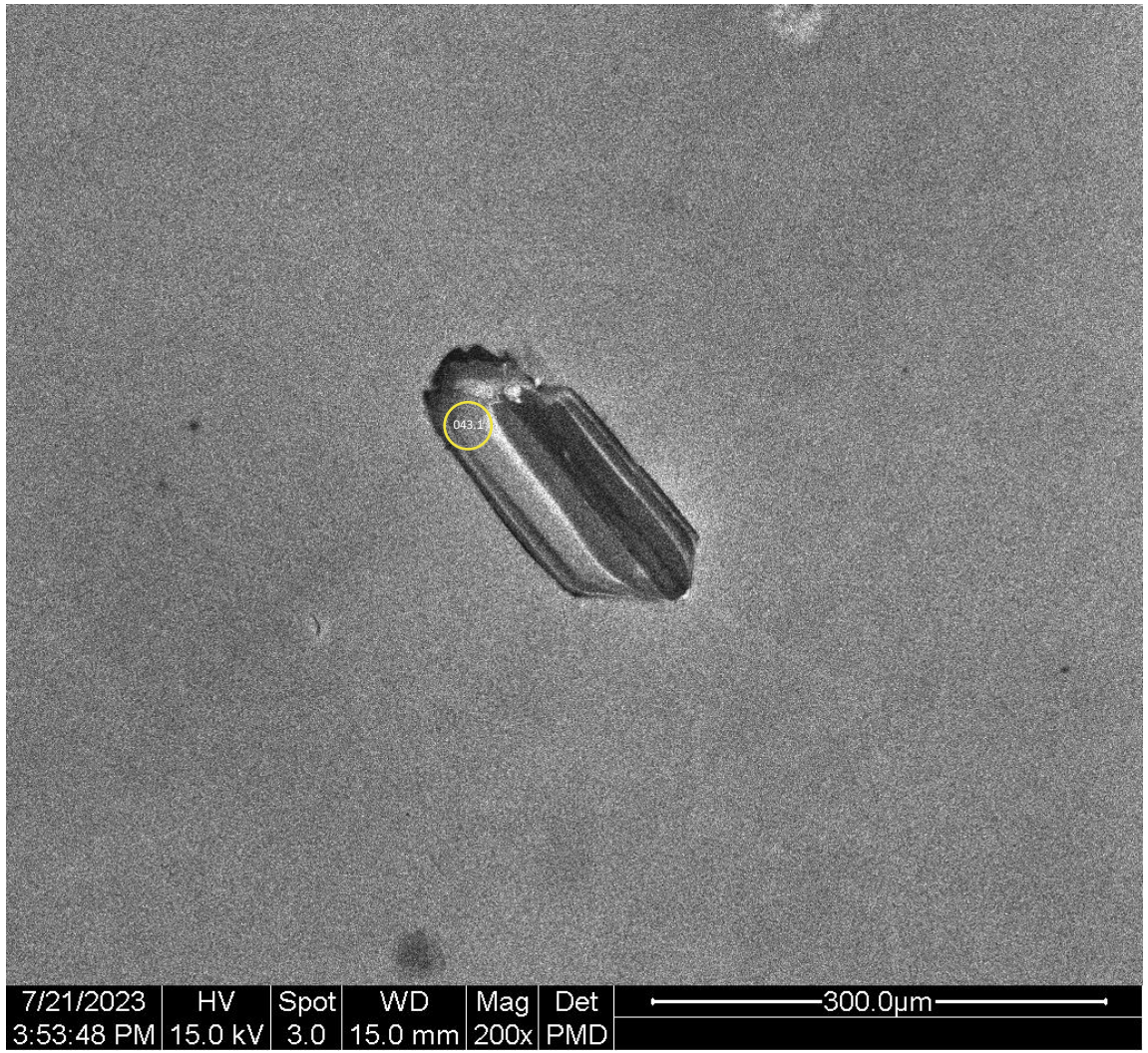
42.1, 42.2



CG23CR07-CL_043.tif

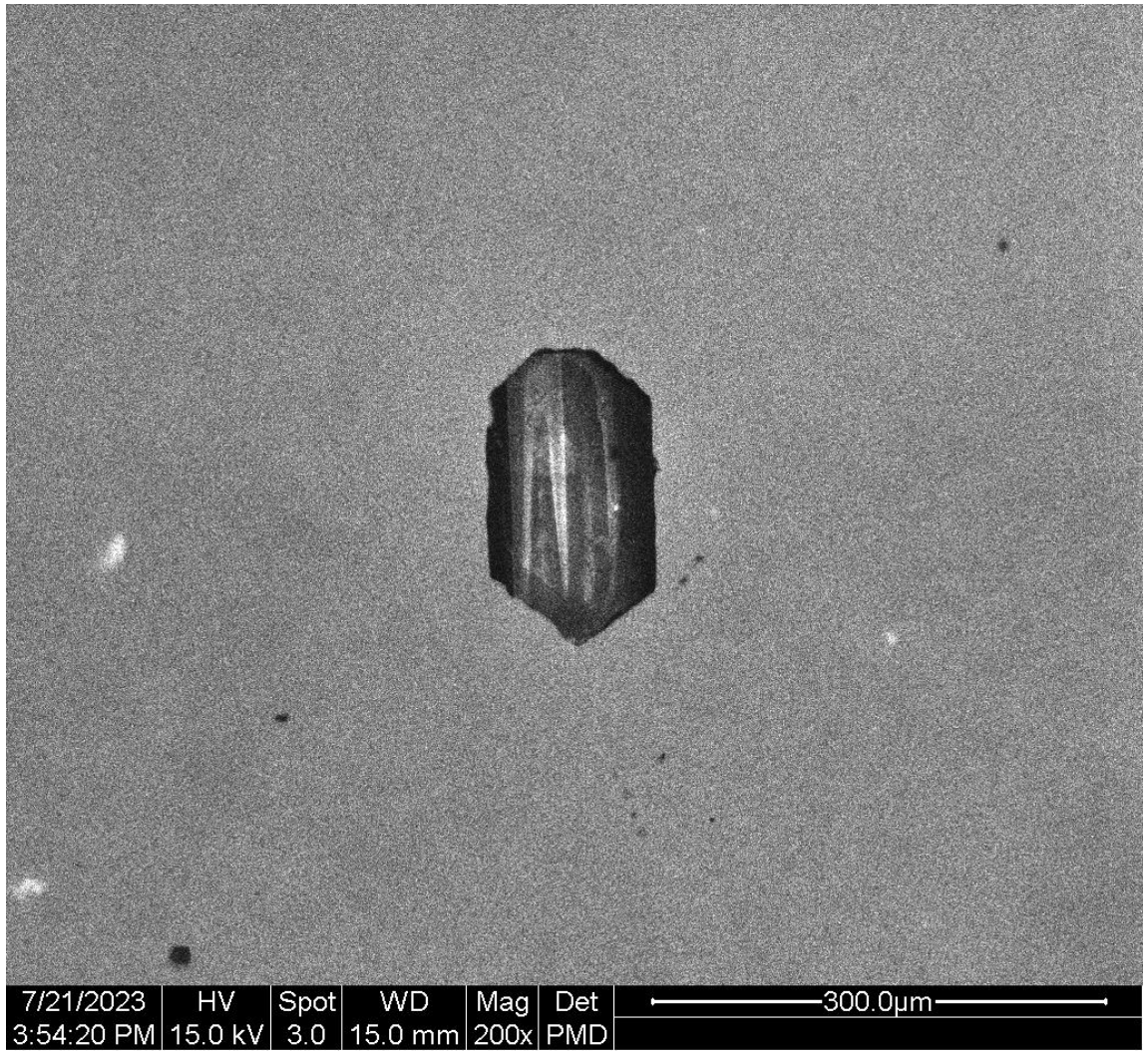
1 x U-Pb

43.1



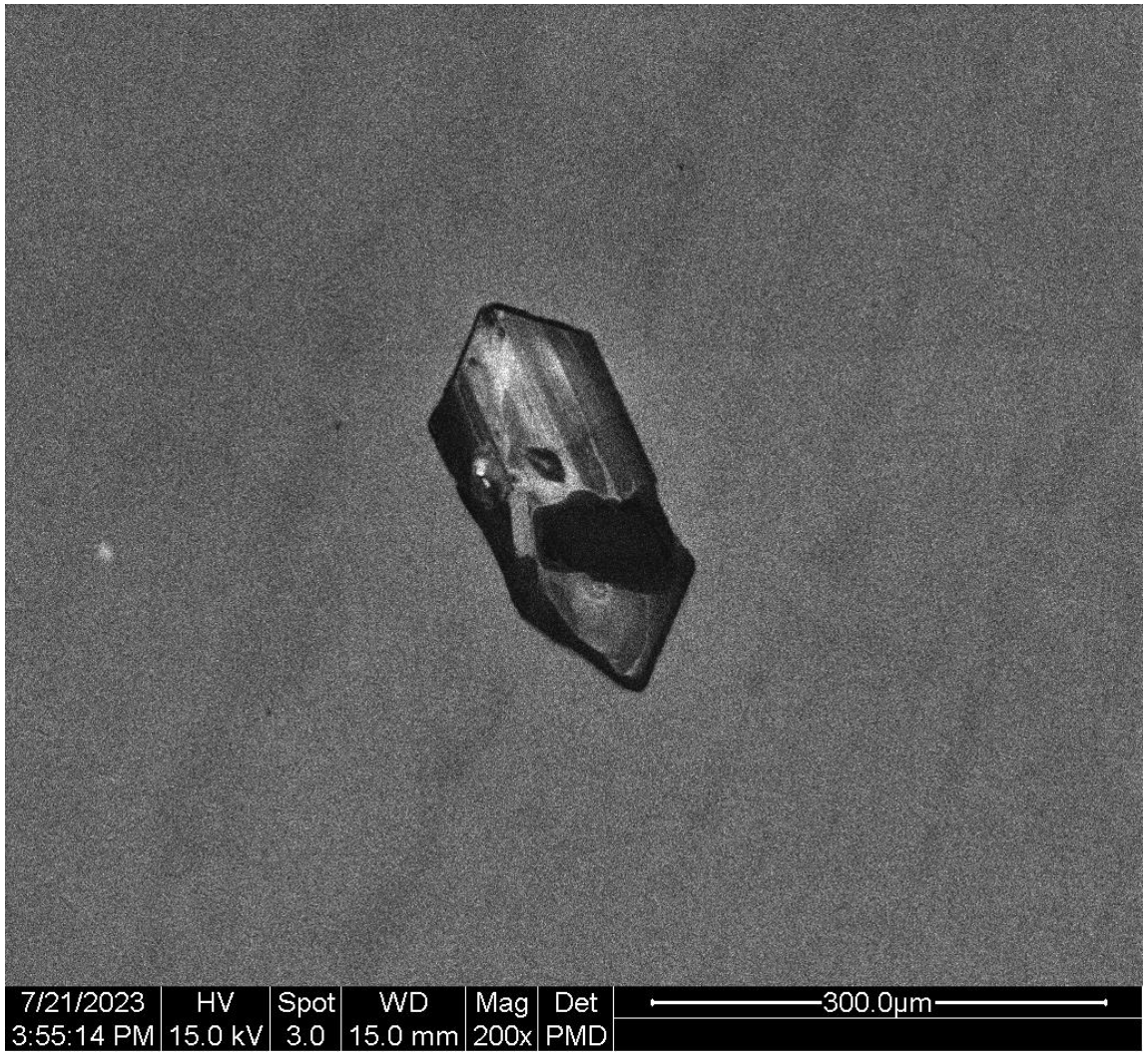
CG23CR07-CL_044.tif

**NA**



CG23CR07-
CL_045.tif

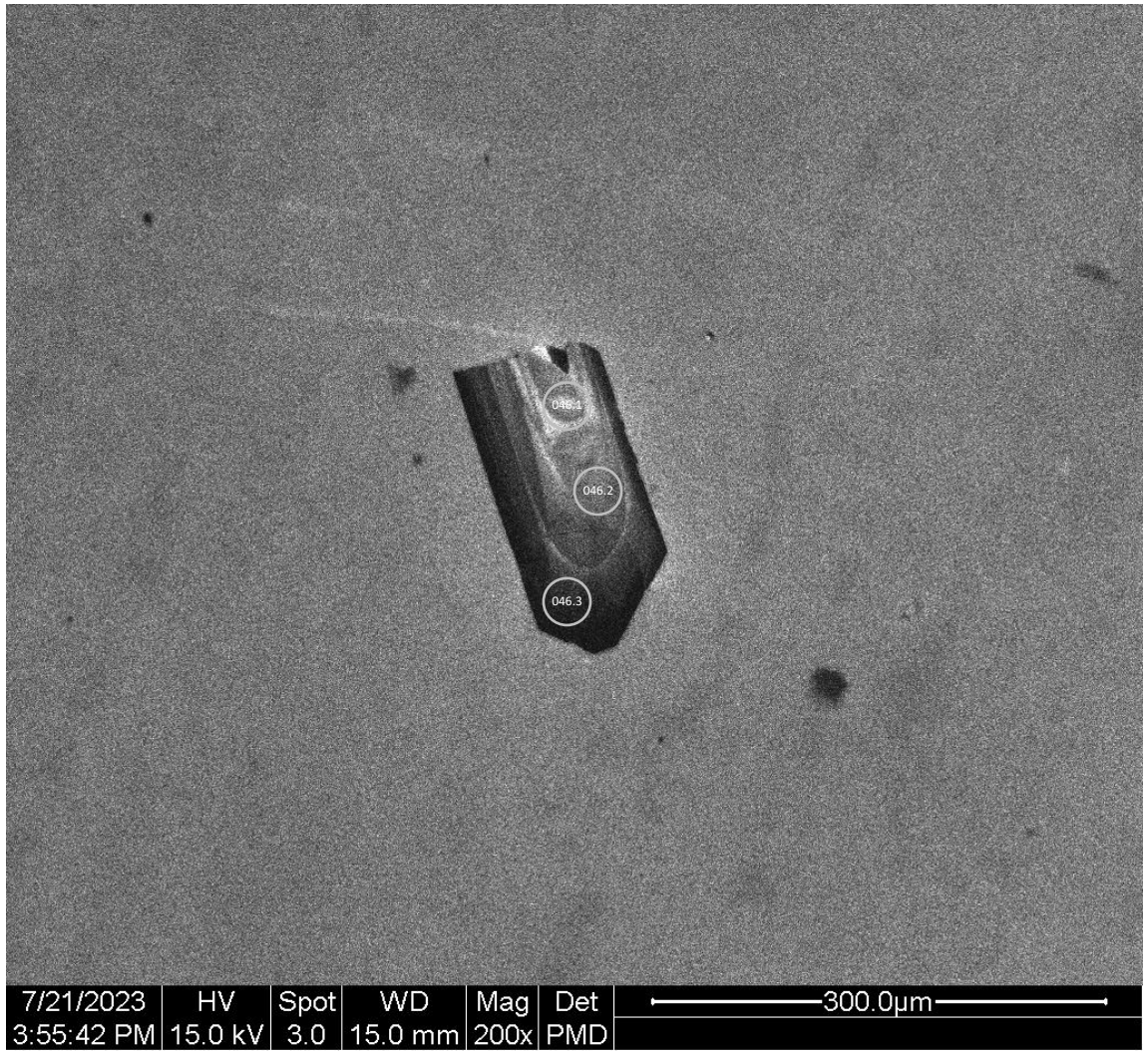
**NA**



CG23CR07-
CL_046.tif

3 x U-Pb

46.1, 46.2, 46.3



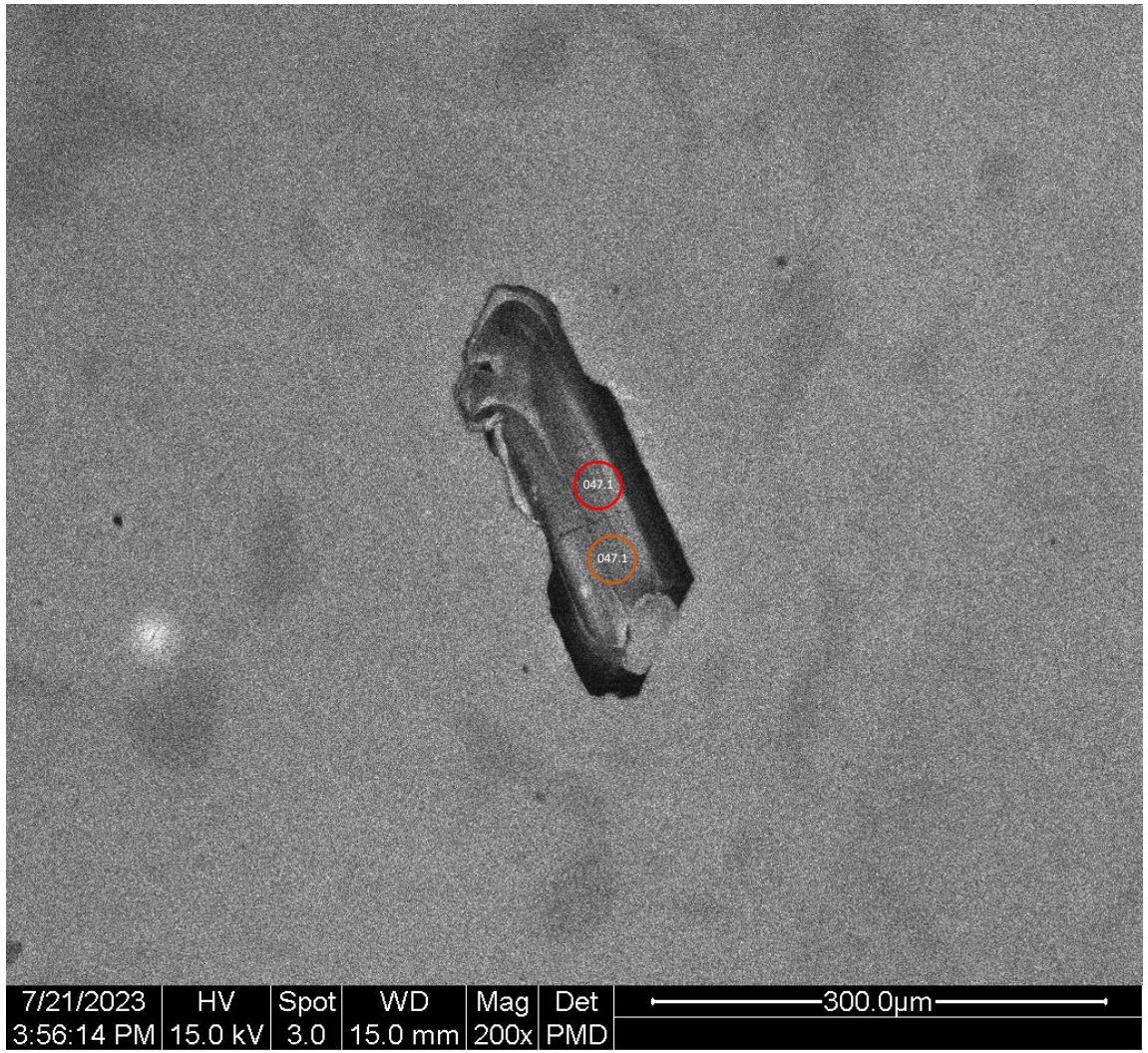
CG23CR07-CL_047.tif

1 x U-Pb

47.1

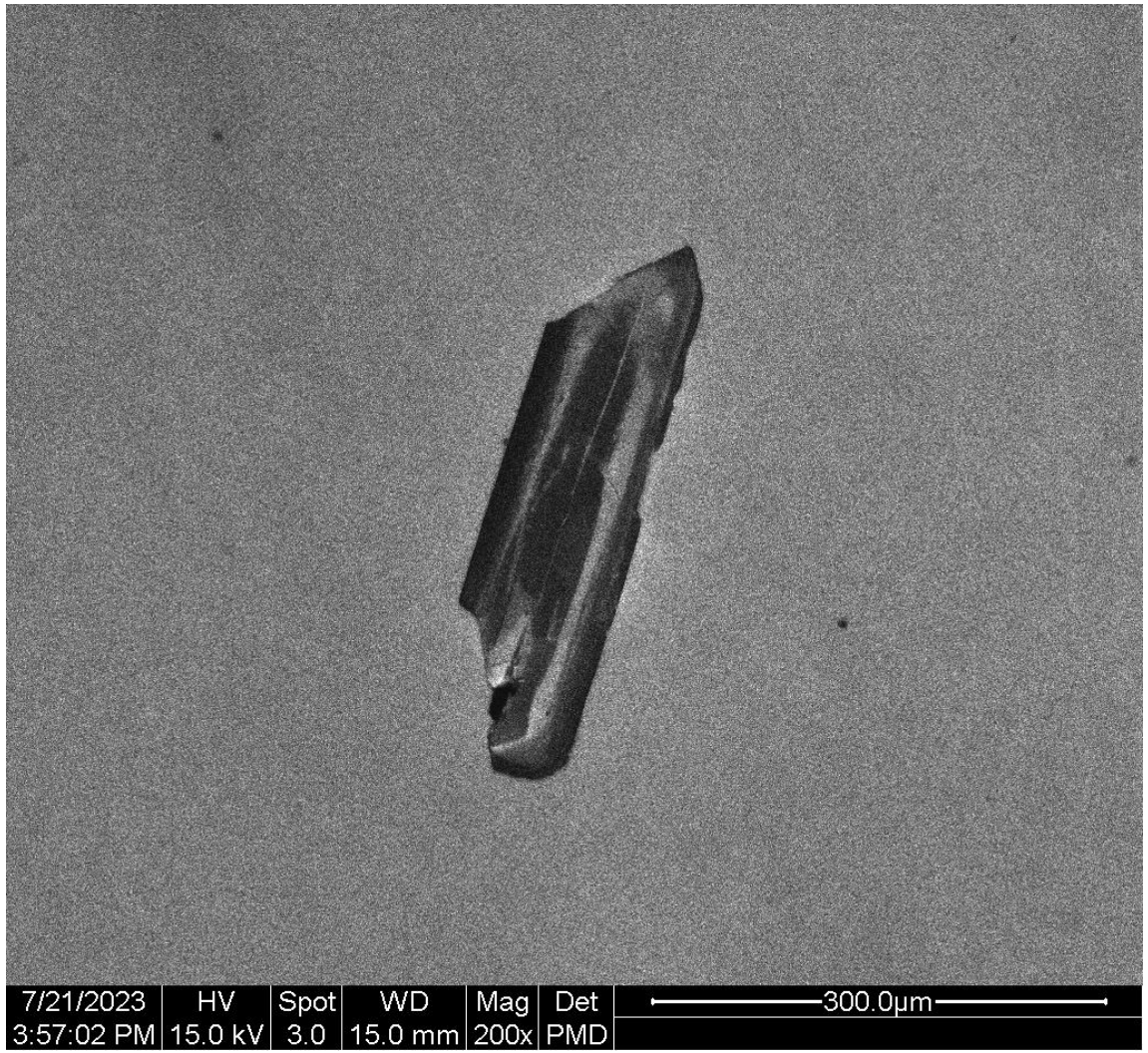
1 x TE

47.1



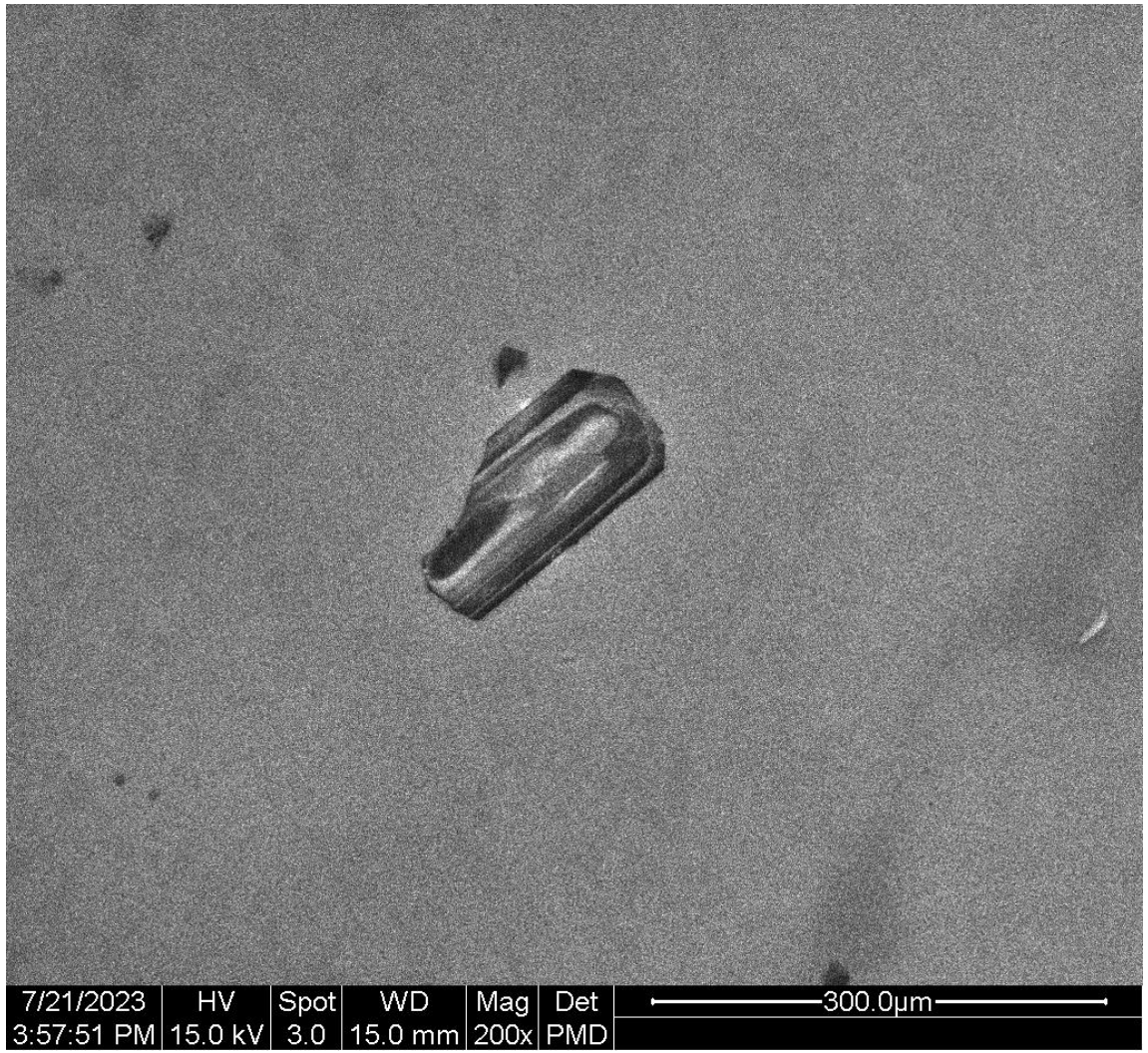
CG23CR07-
CL_048.tif

**NA**



CG23CR07-
CL_049.tif

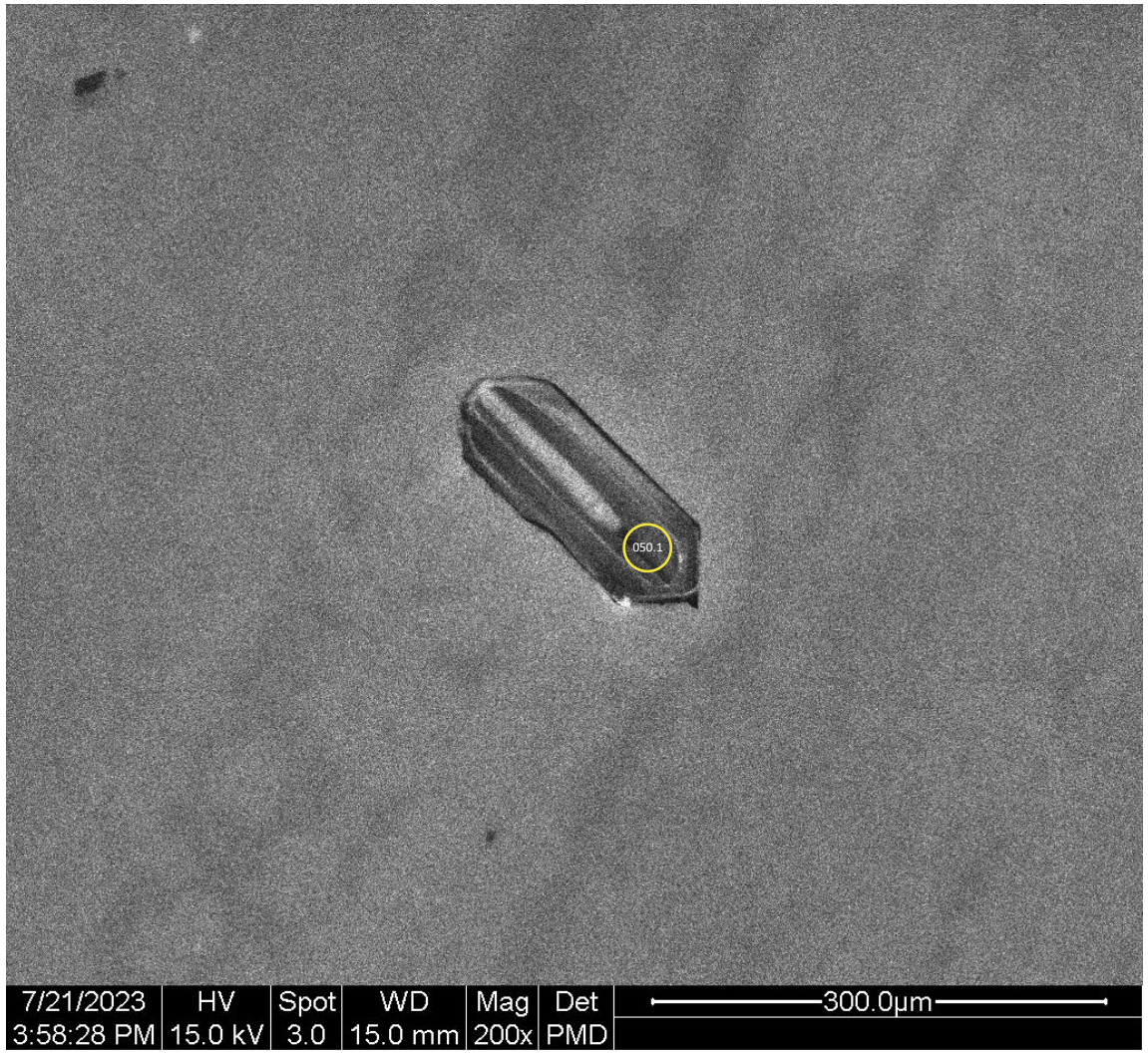
**NA**



CG23CR07-CL_050.tif

1 x U-Pb

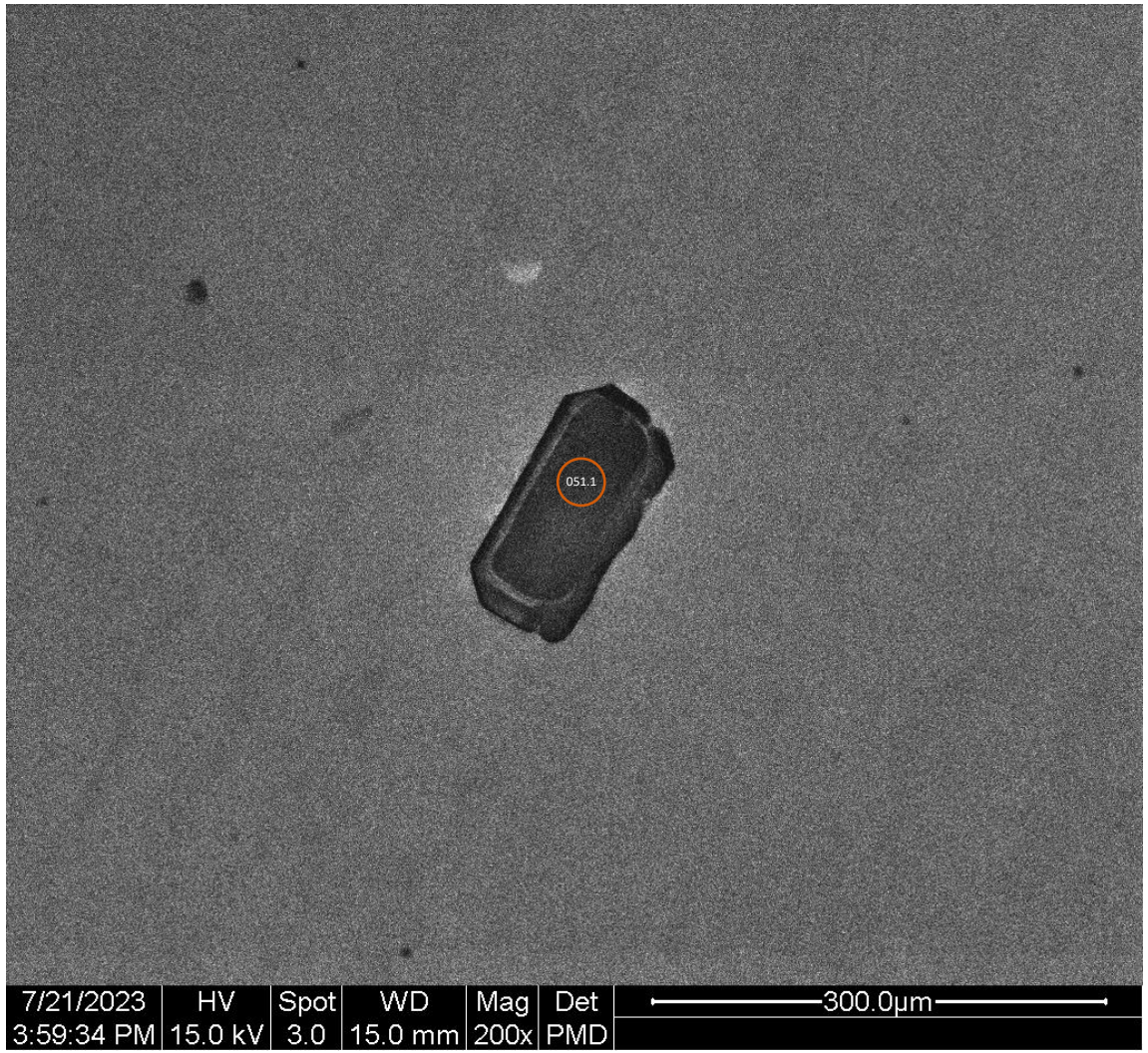
50.1



CG23CR07-CL_051.tif

1 x U-Pb

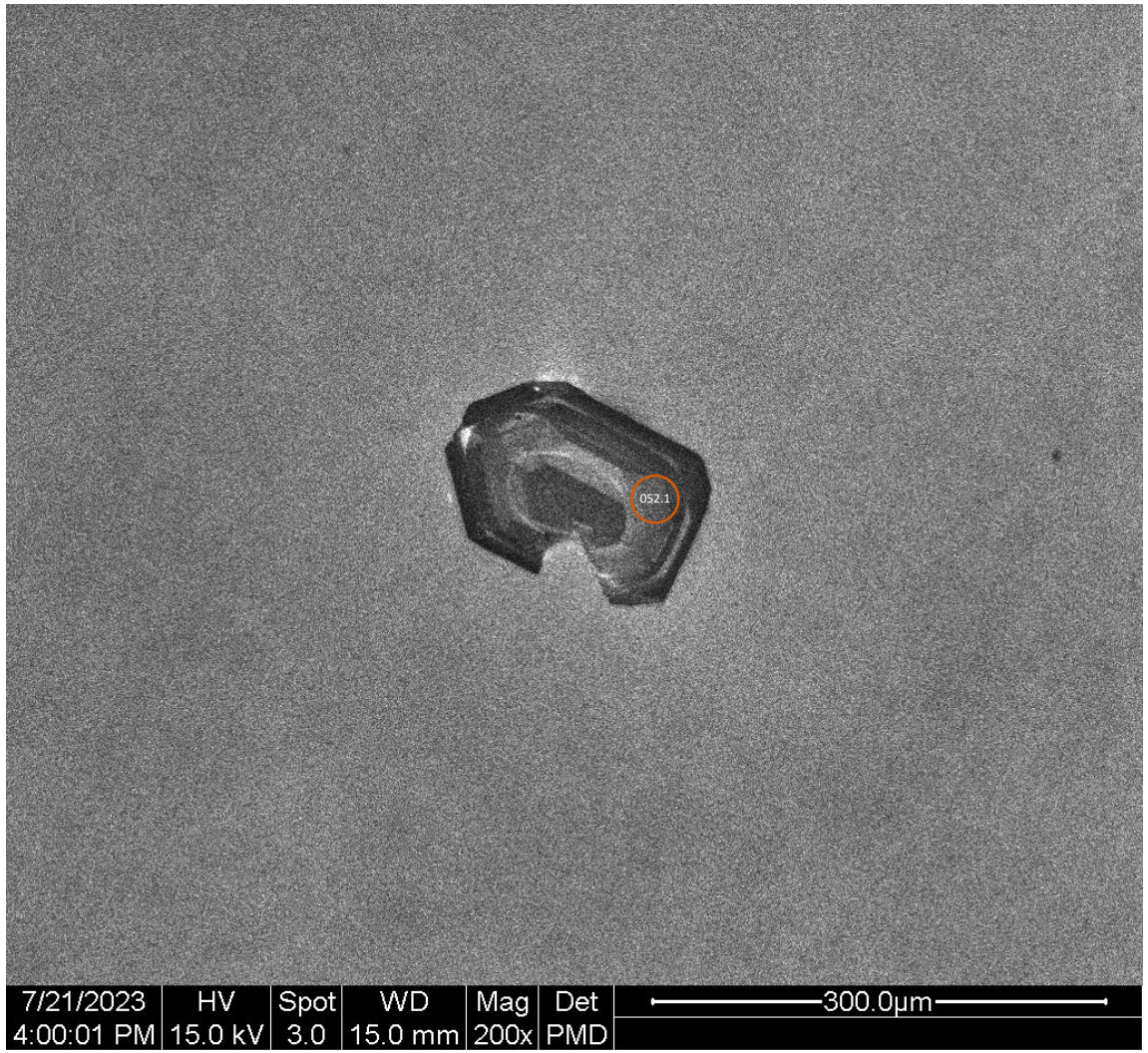
51.1



CG23CR07-CL_052.tif

1 x U-Pb

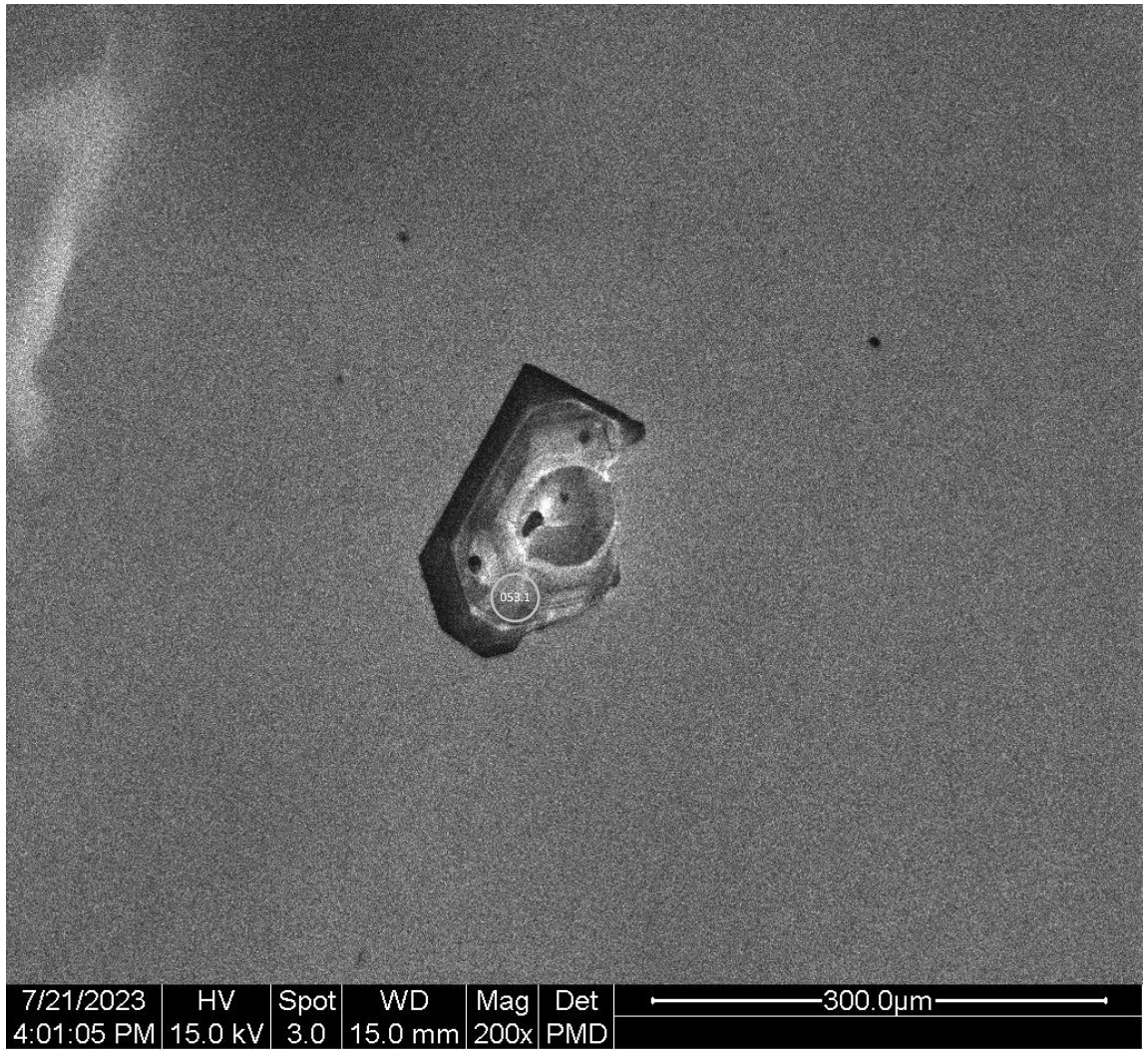
52.1



CG23CR07-CL_053.tif

1 x U-Pb

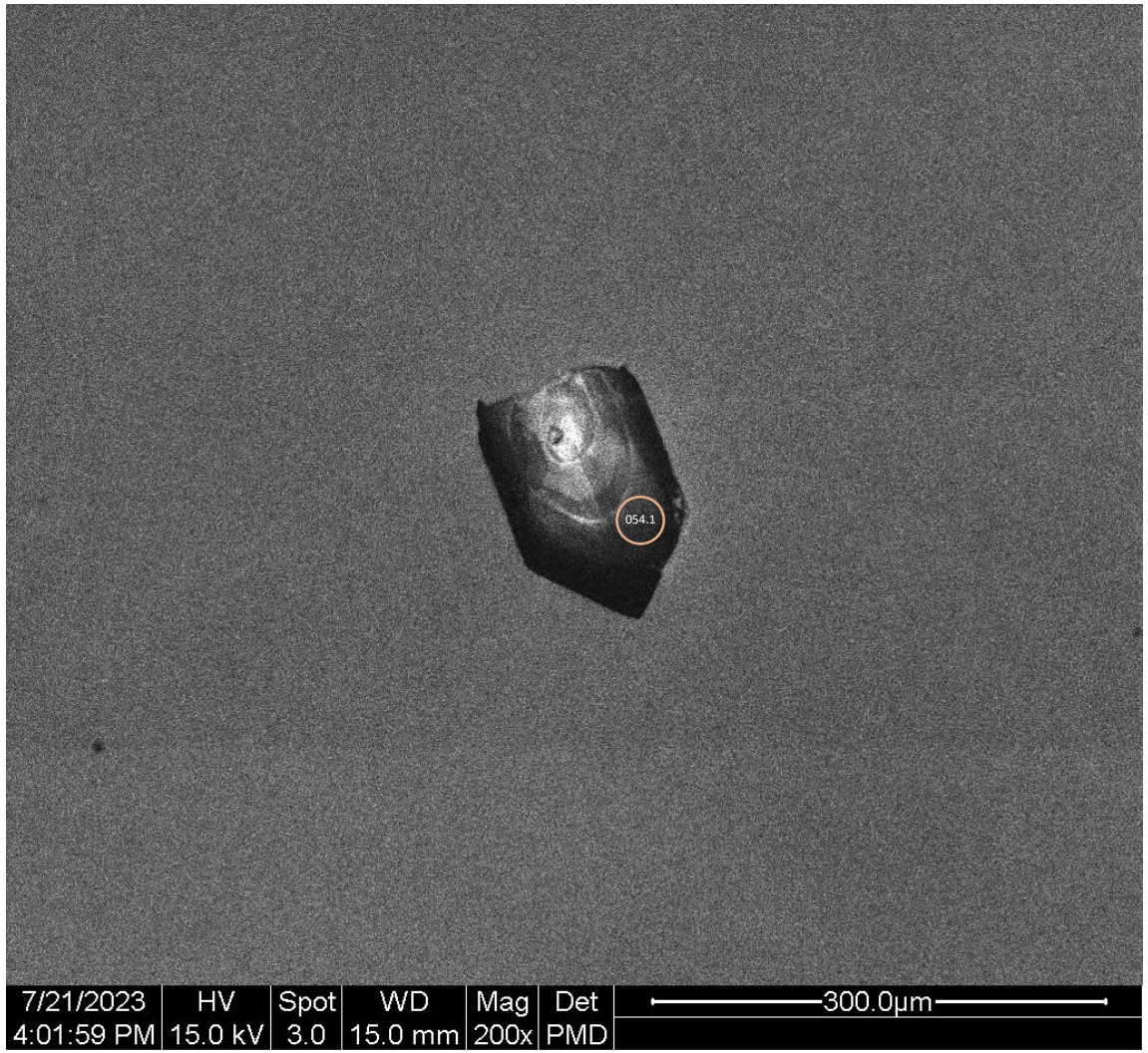
53.1



CG23CR07-CL_054.tif

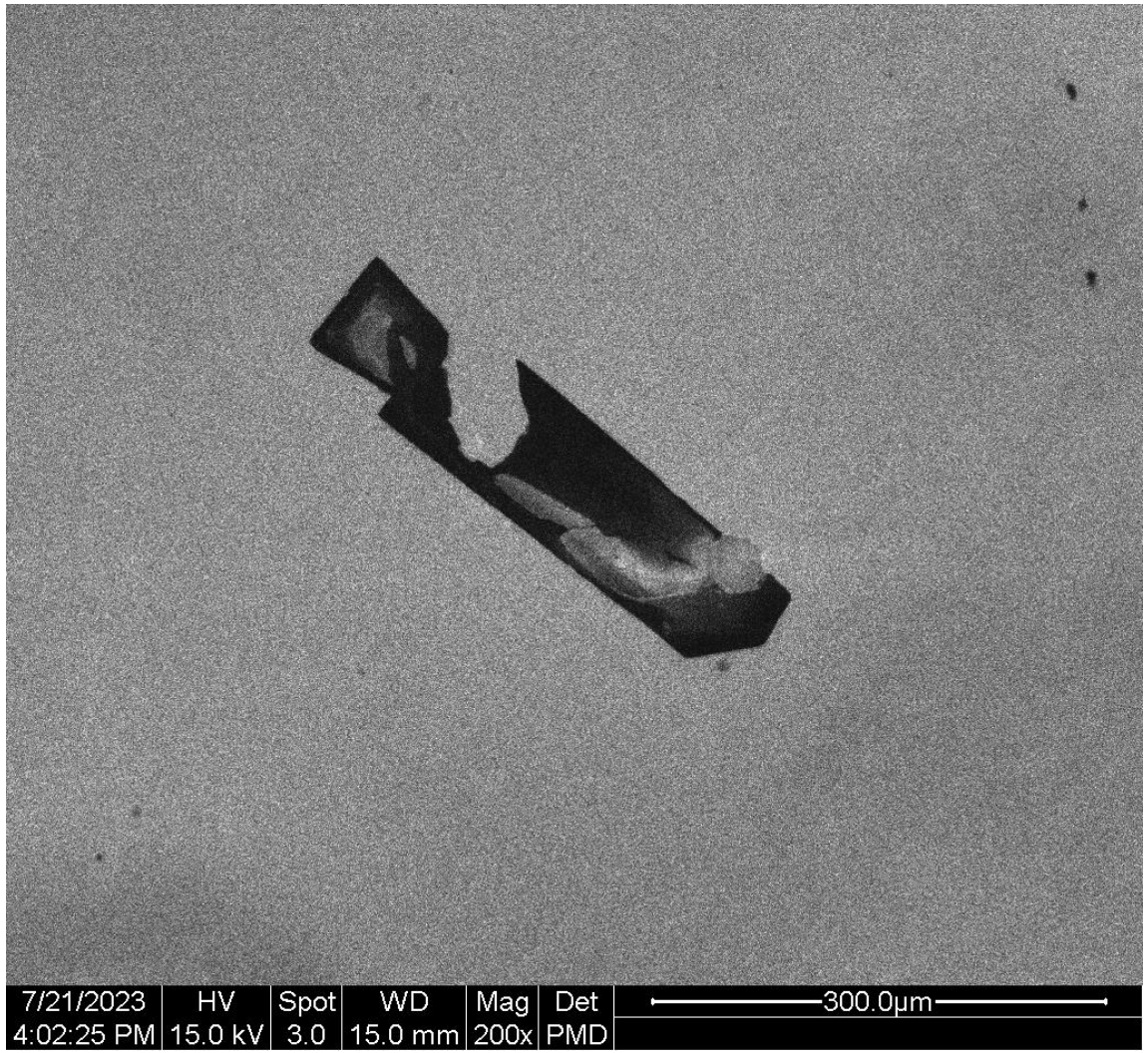
1 x U-Pb

54.1



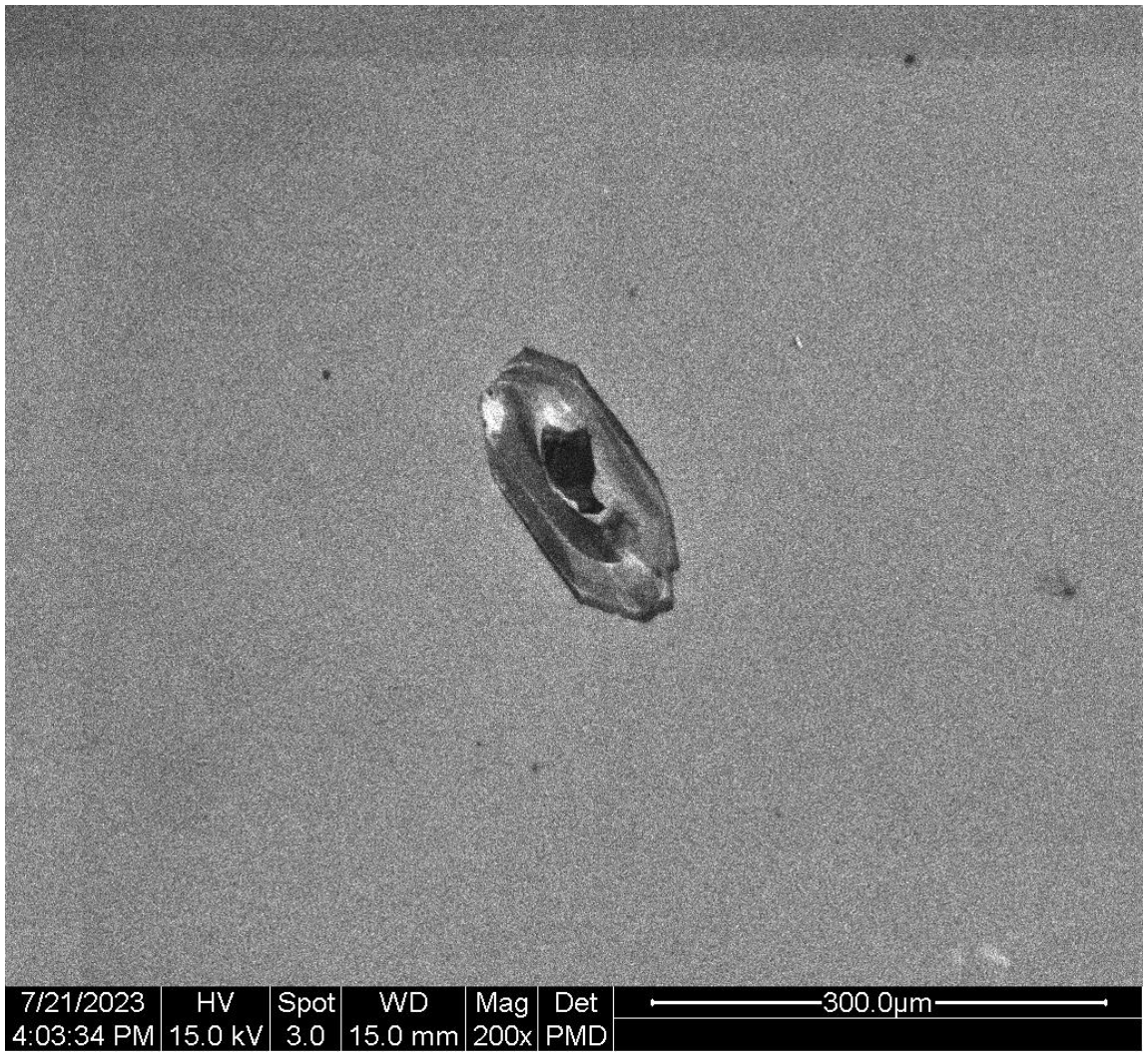
CG23CR07-
CL_055.tif

**NA**



CG23CR07-
CL_056.tif

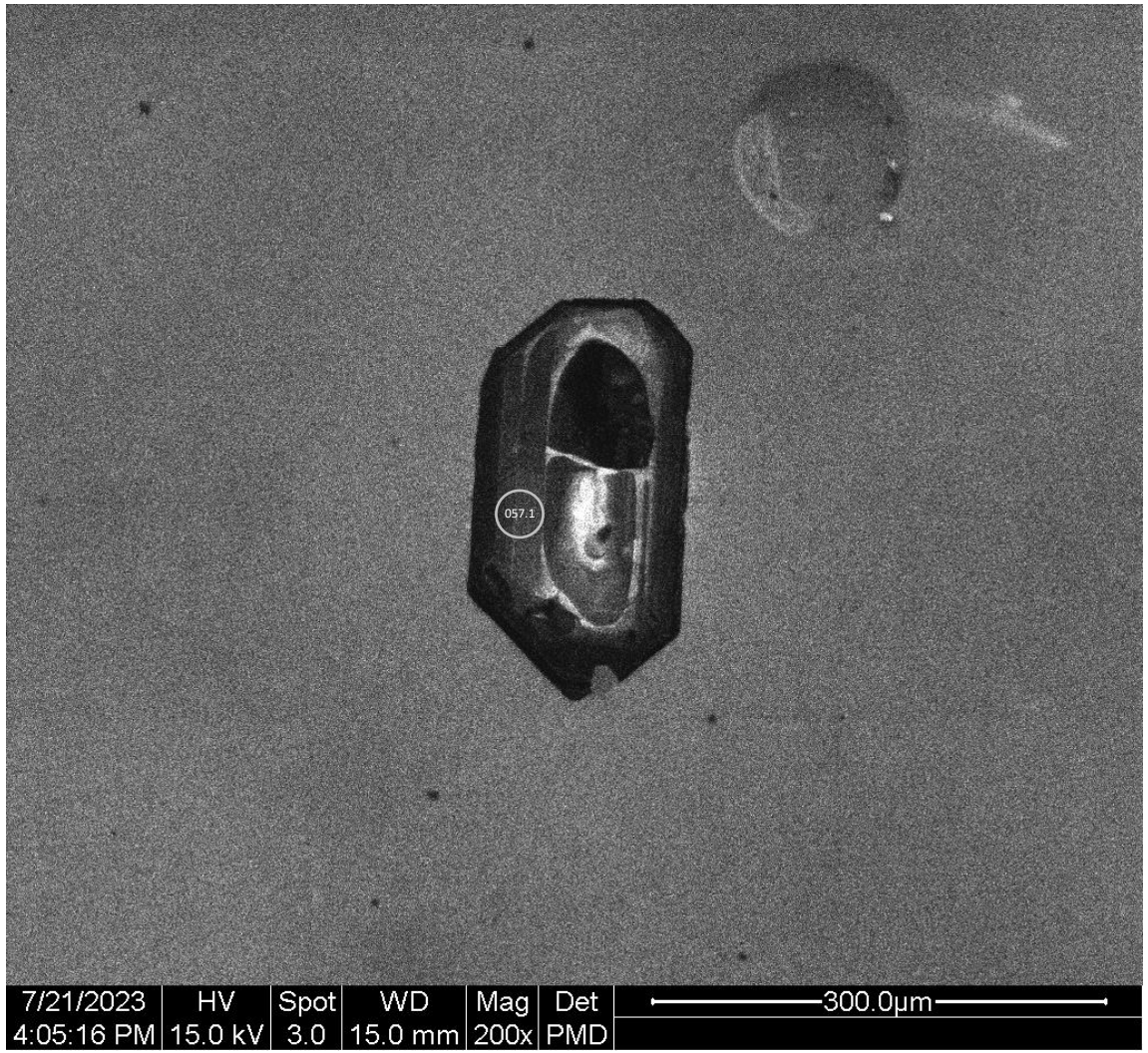
**NA**



CG23CR07-CL_057.tif

1 x U-Pb

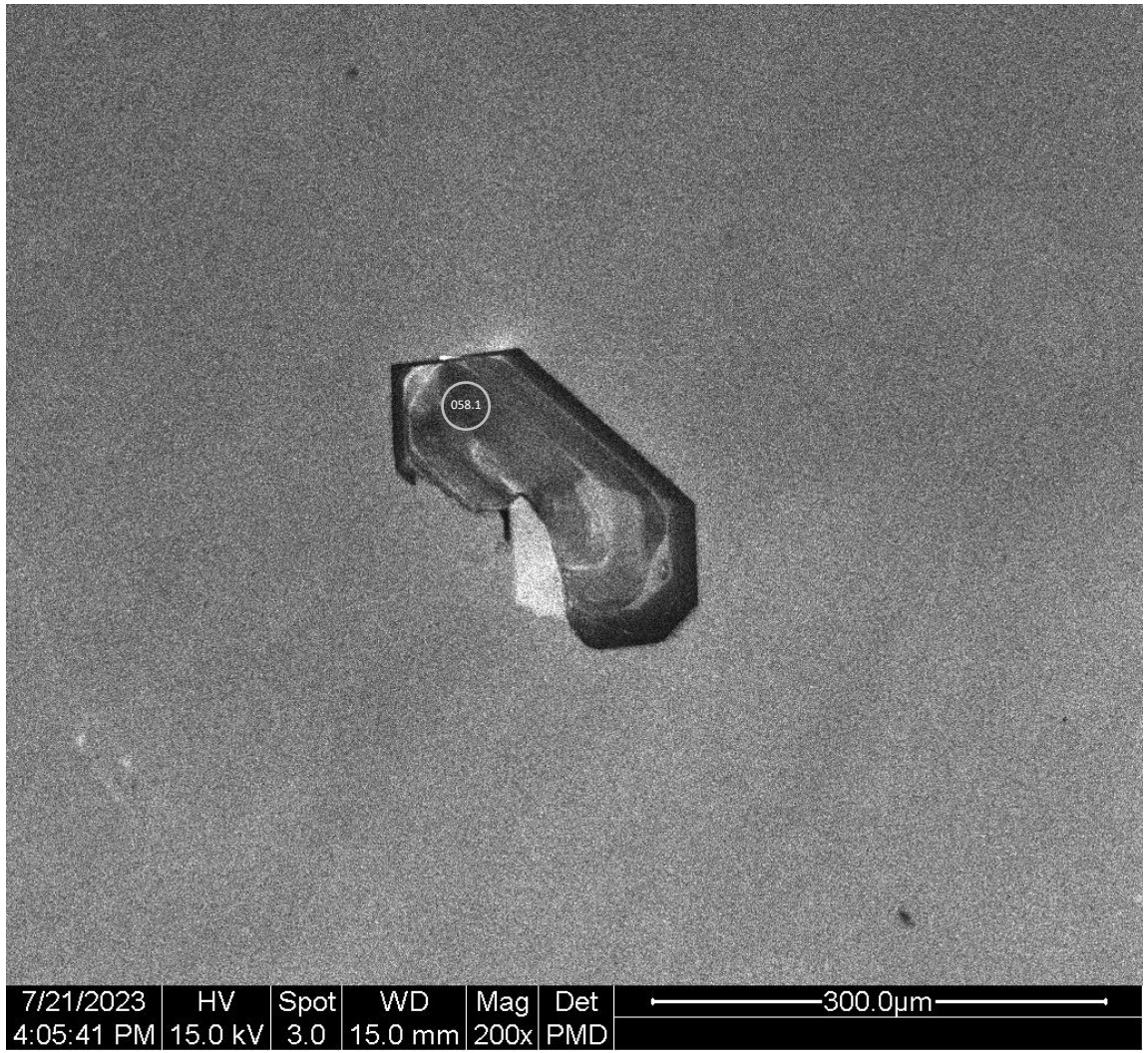
57.1



CG23CR07-CL_058.tif

1 x U-Pb

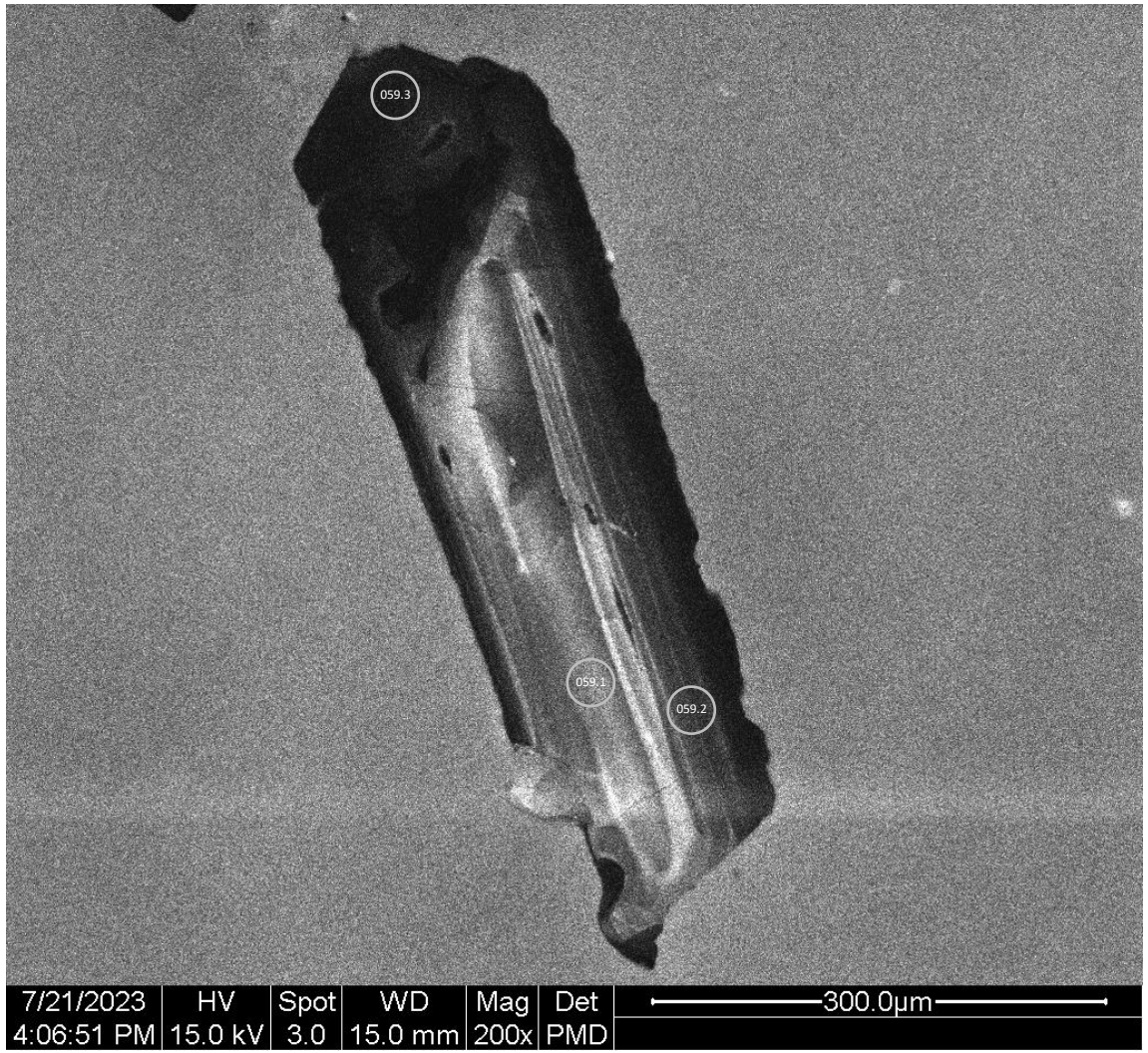
58.1



CG23CR07-
CL_059.tif

3 x U-Pb

59.1, 59.2, 59.3



CG23CR07-CL_060.tif

1 x U-Pb

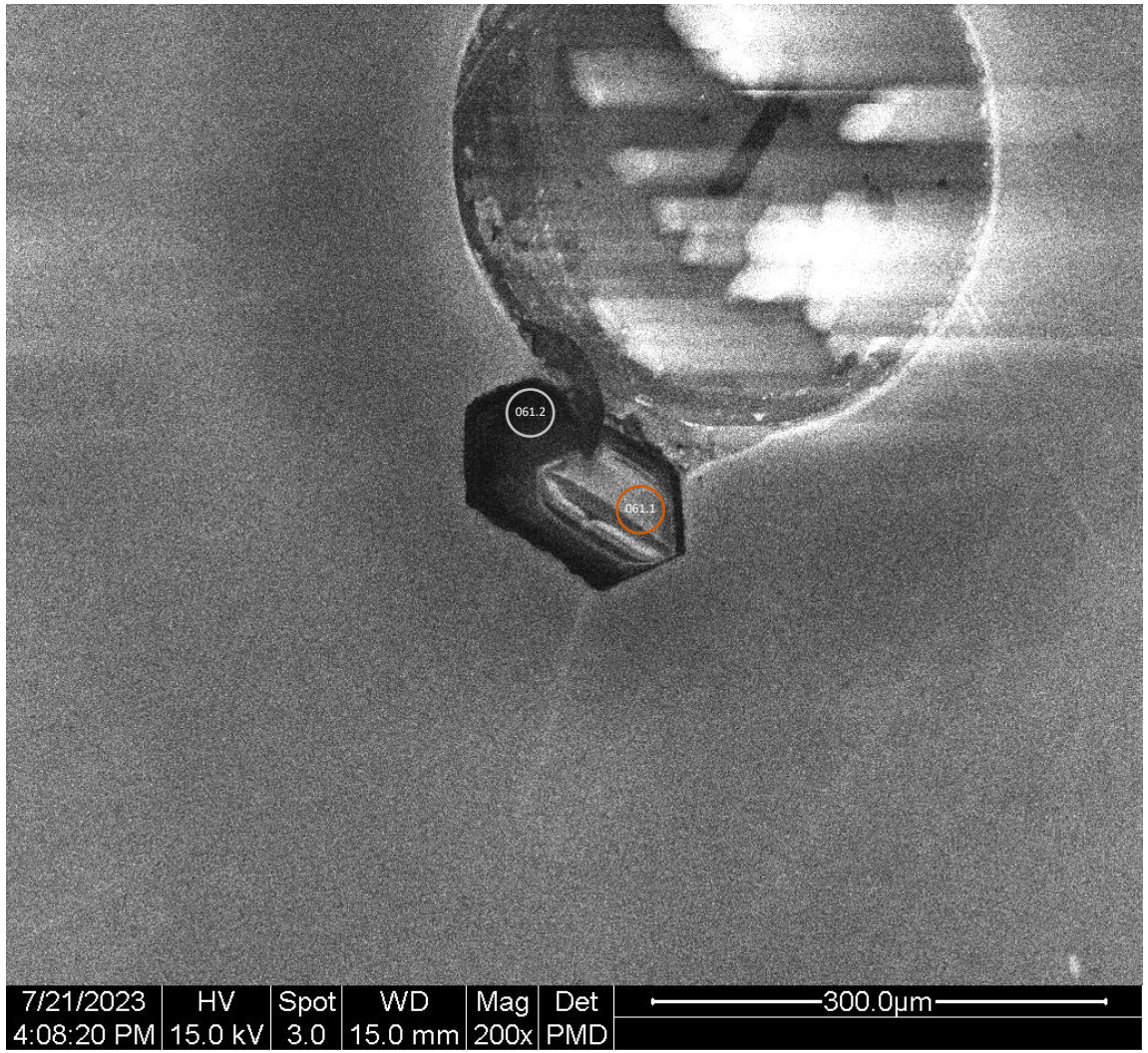
60.1



CG23CR07-
CL_061.tif

2 x U-Pb

61.1, 61.2



CG23CR07-CL_062.tif

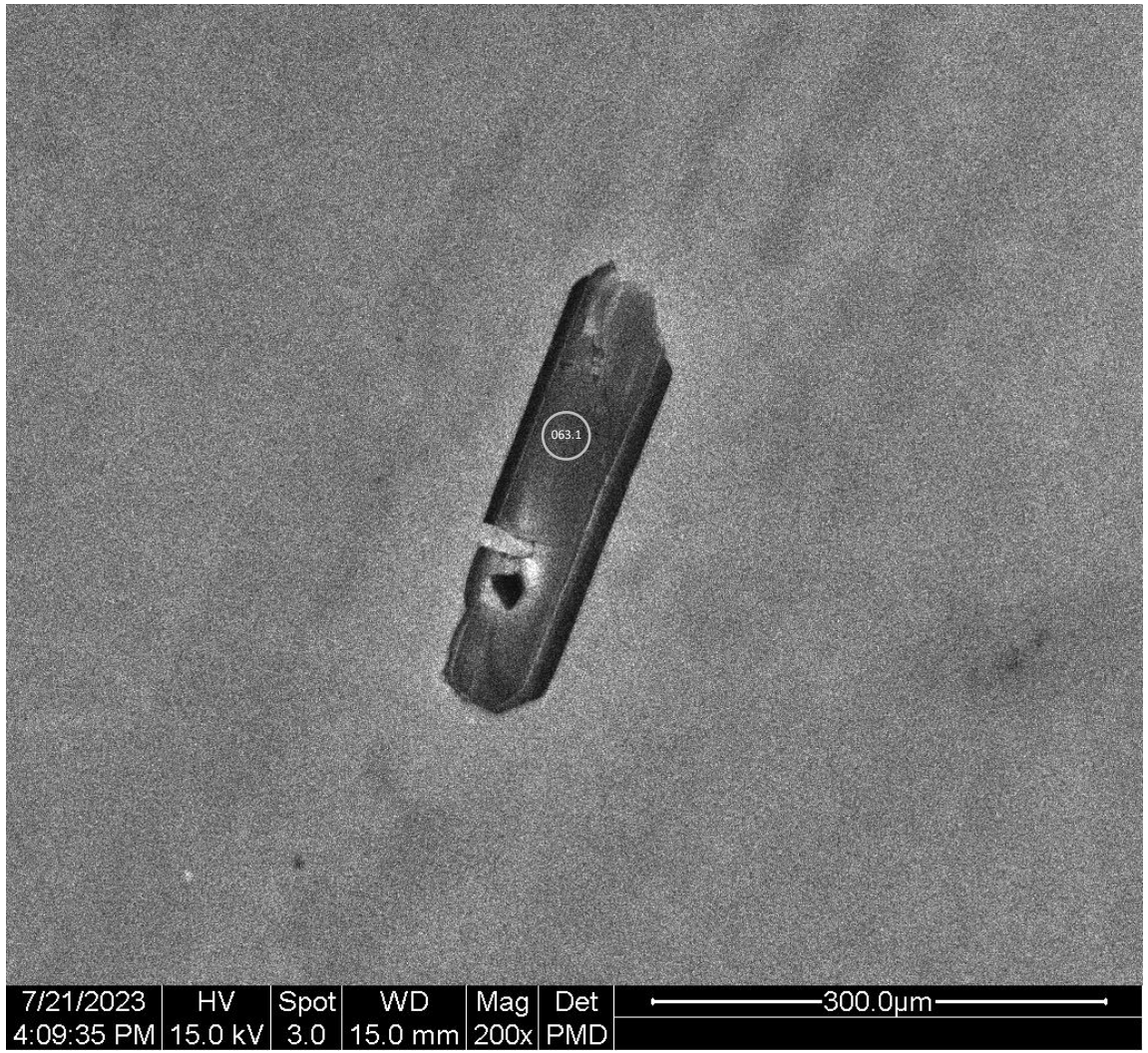
**NA**



CG23CR07-CL_063.tif

1 x U-Pb

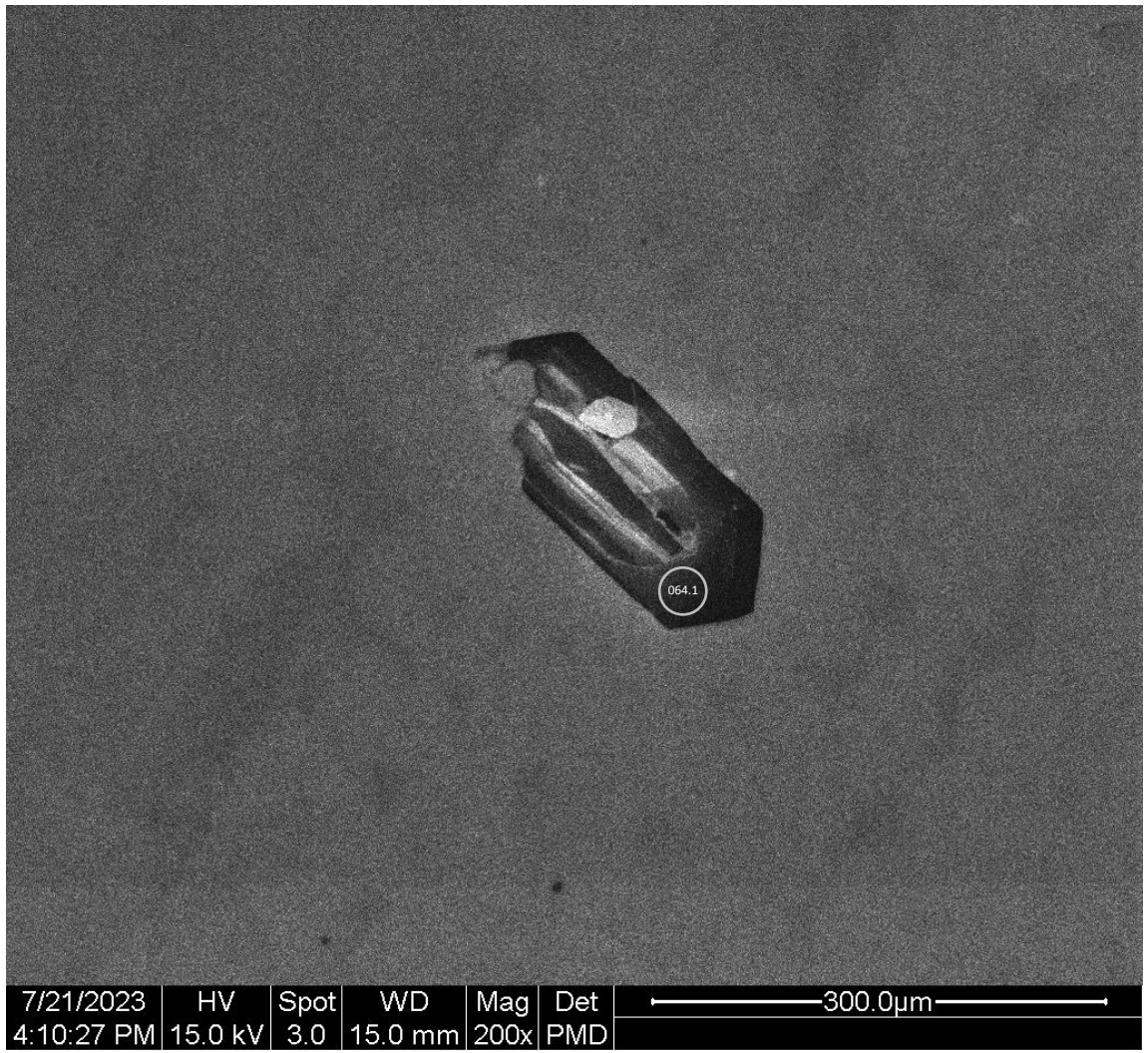
63.1



CG23CR07-CL_064.tif

1 x U-Pb

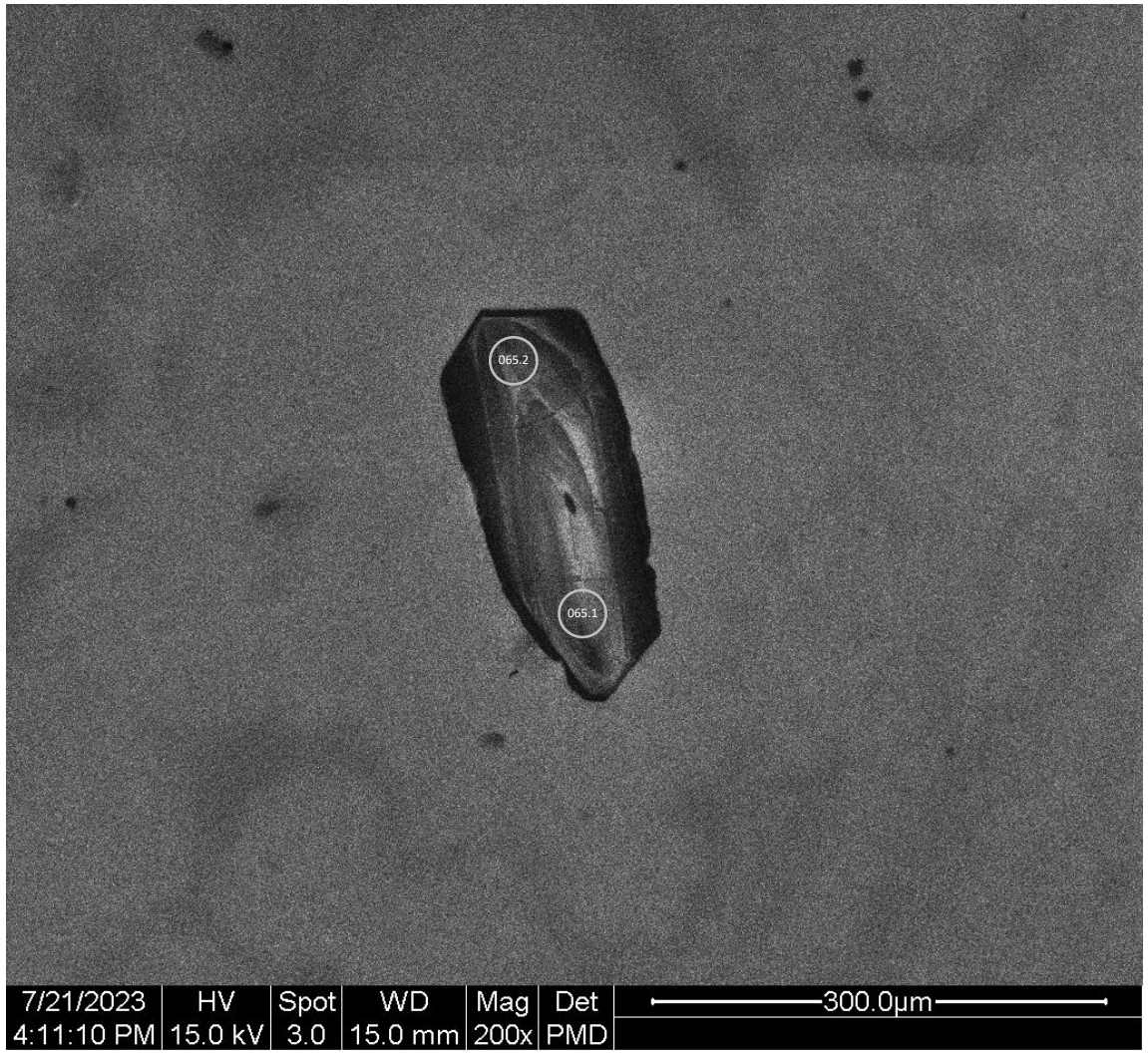
64.1



CG23CR07-
CL_065.tif

2 x U-Pb

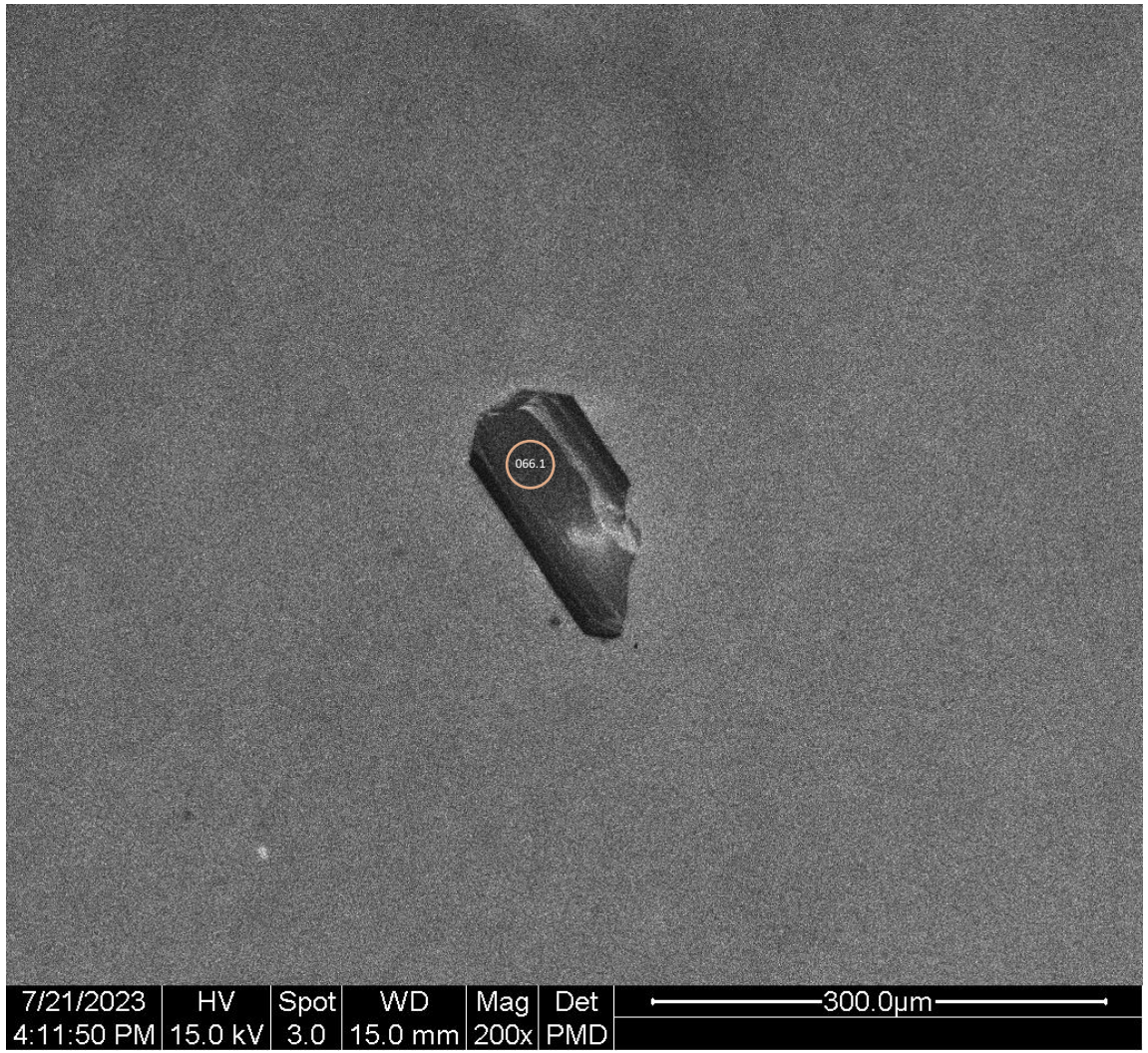
65.1, 65.2



CG23CR07-CL_066.tif

1 x U-Pb

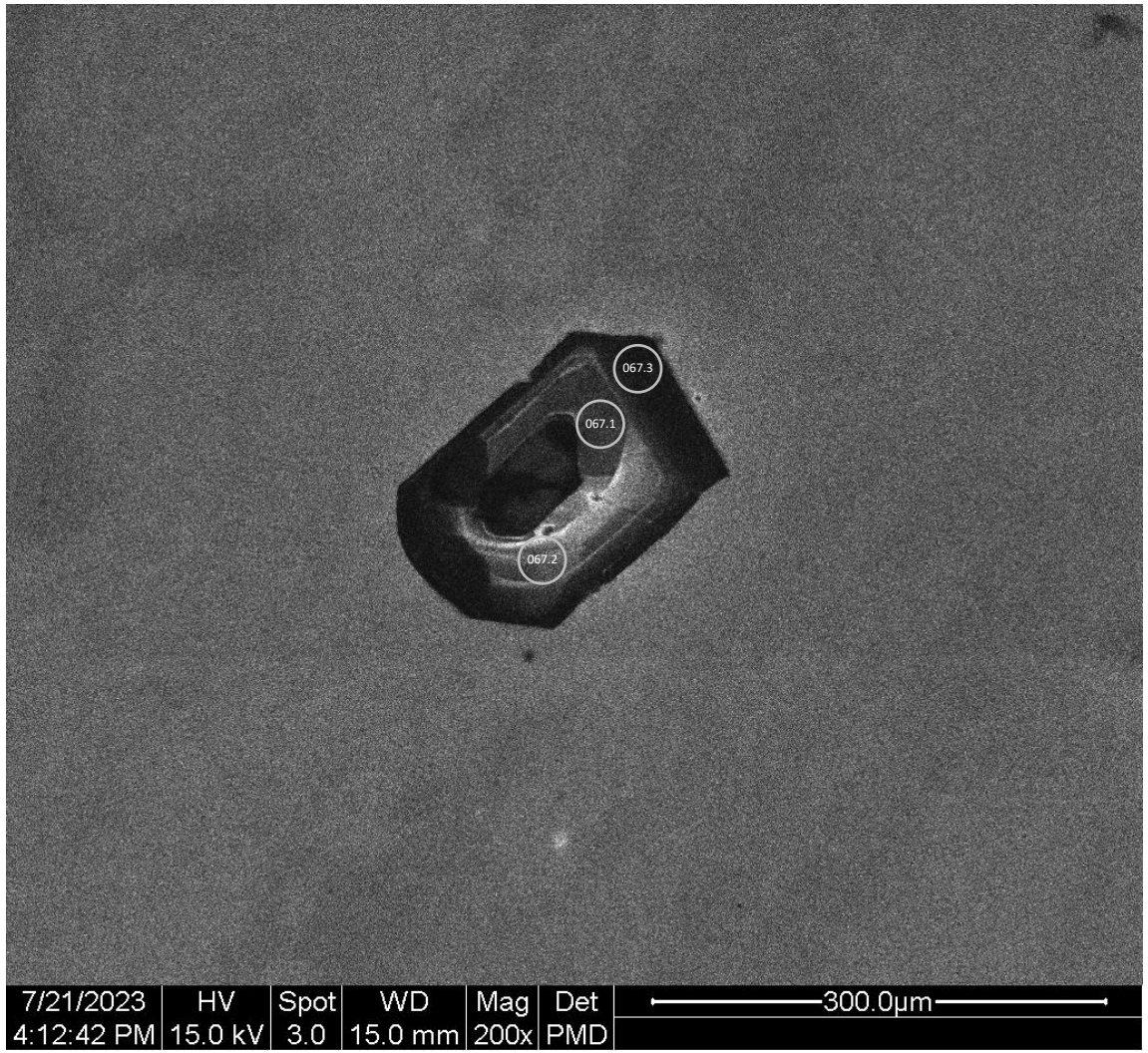
66.1



CG23CR07-
CL_067.tif

3 x U-Pb

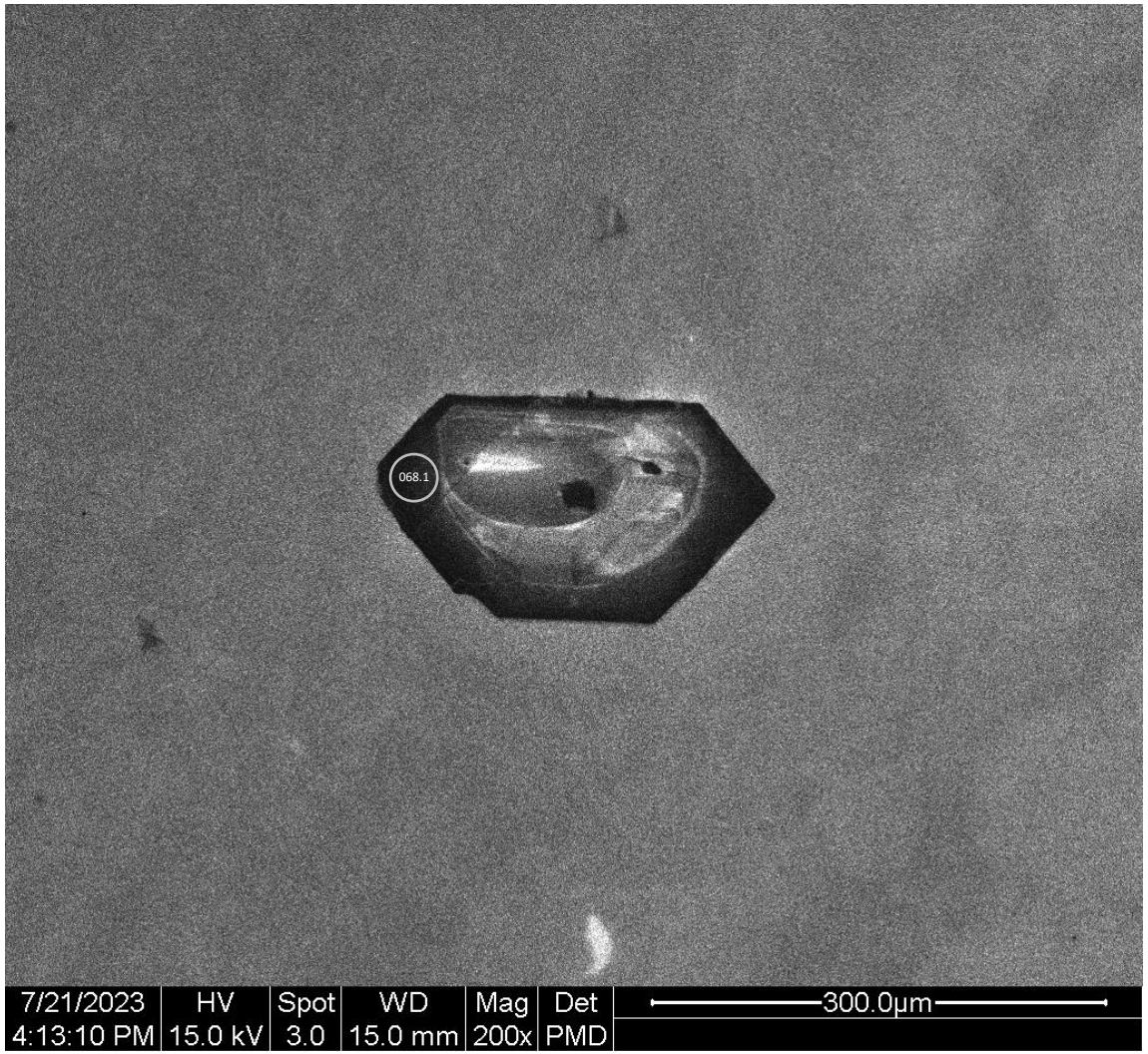
67.1, 67.2, 67.3



CG23CR07-CL_068.tif

1 x U-Pb

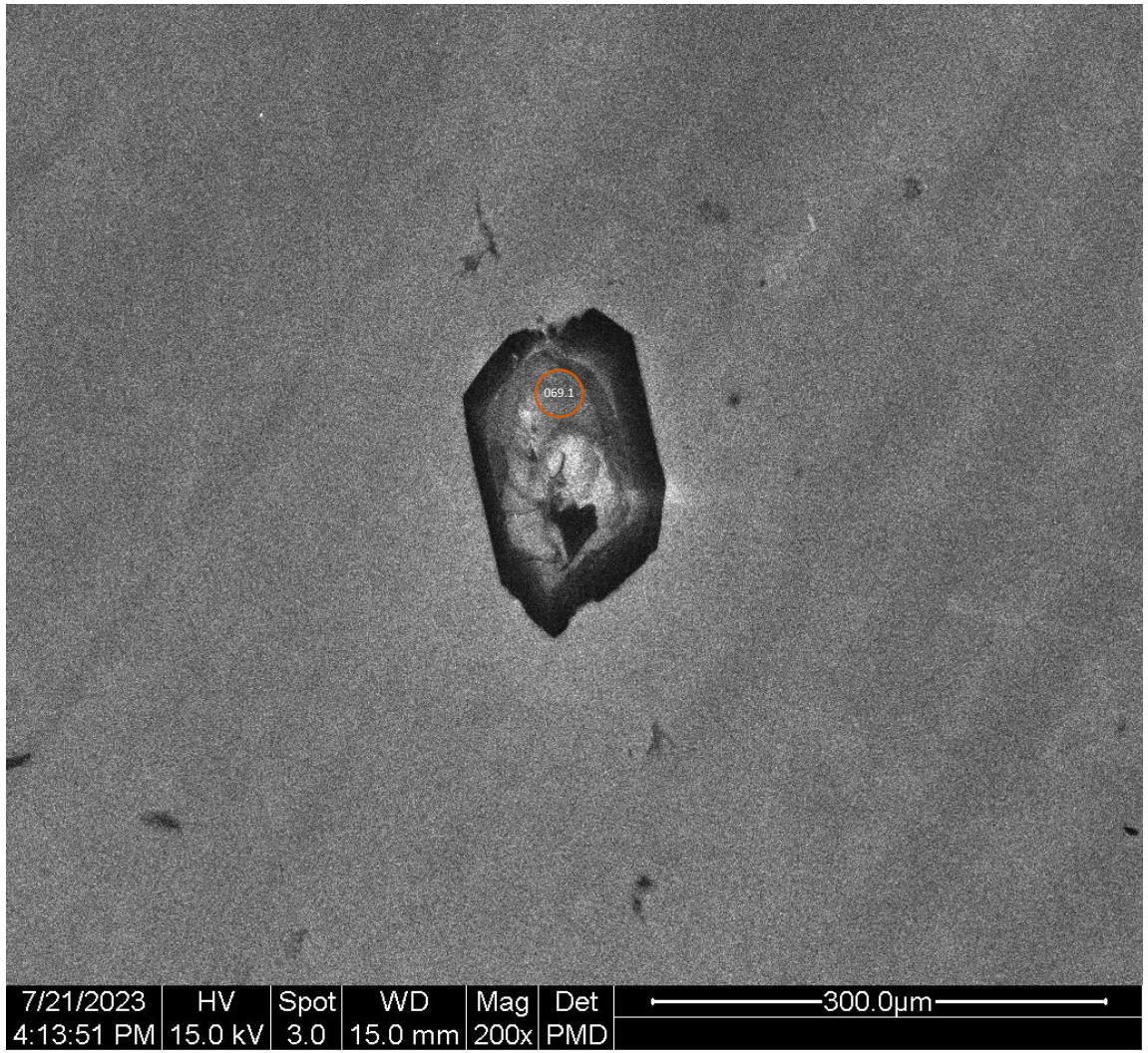
68.1



CG23CR07-CL_069.tif

1 x U-Pb

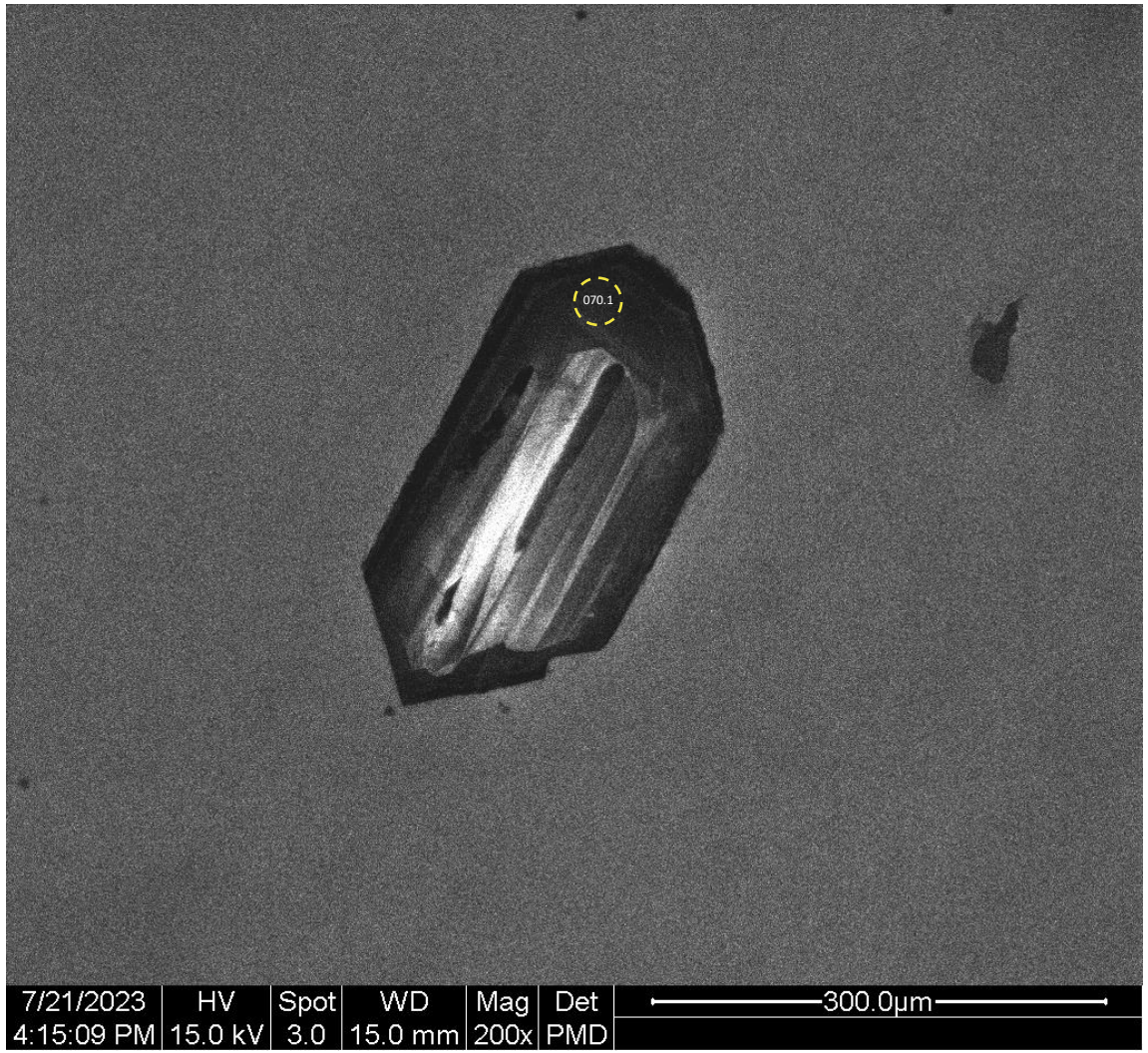
69.1



CG23CR07-CL_070.tif

1 x U-Pb

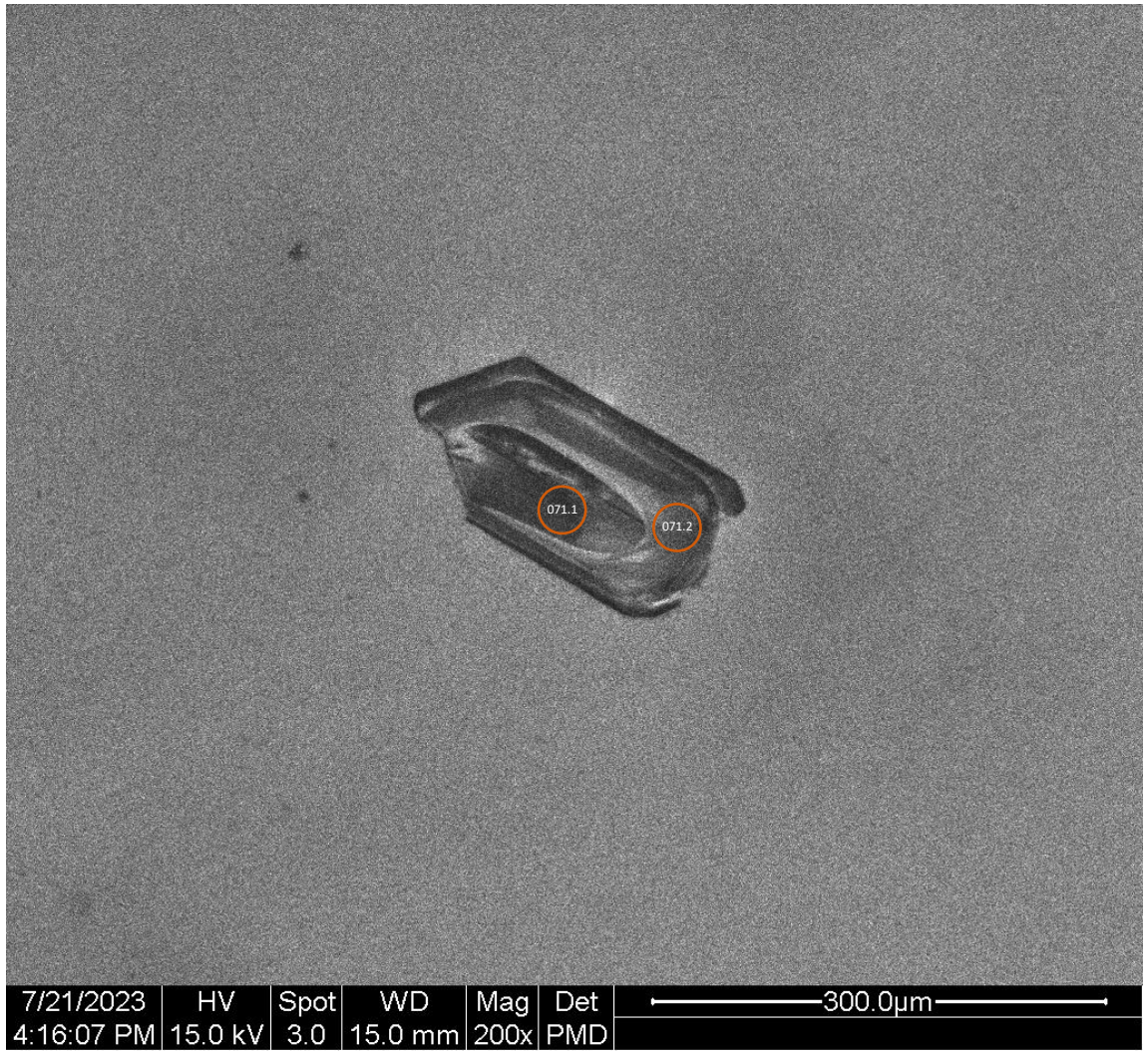
70.1



CG23CR07-CL_071.tif

2 x U-Pb

71.1, 71.2



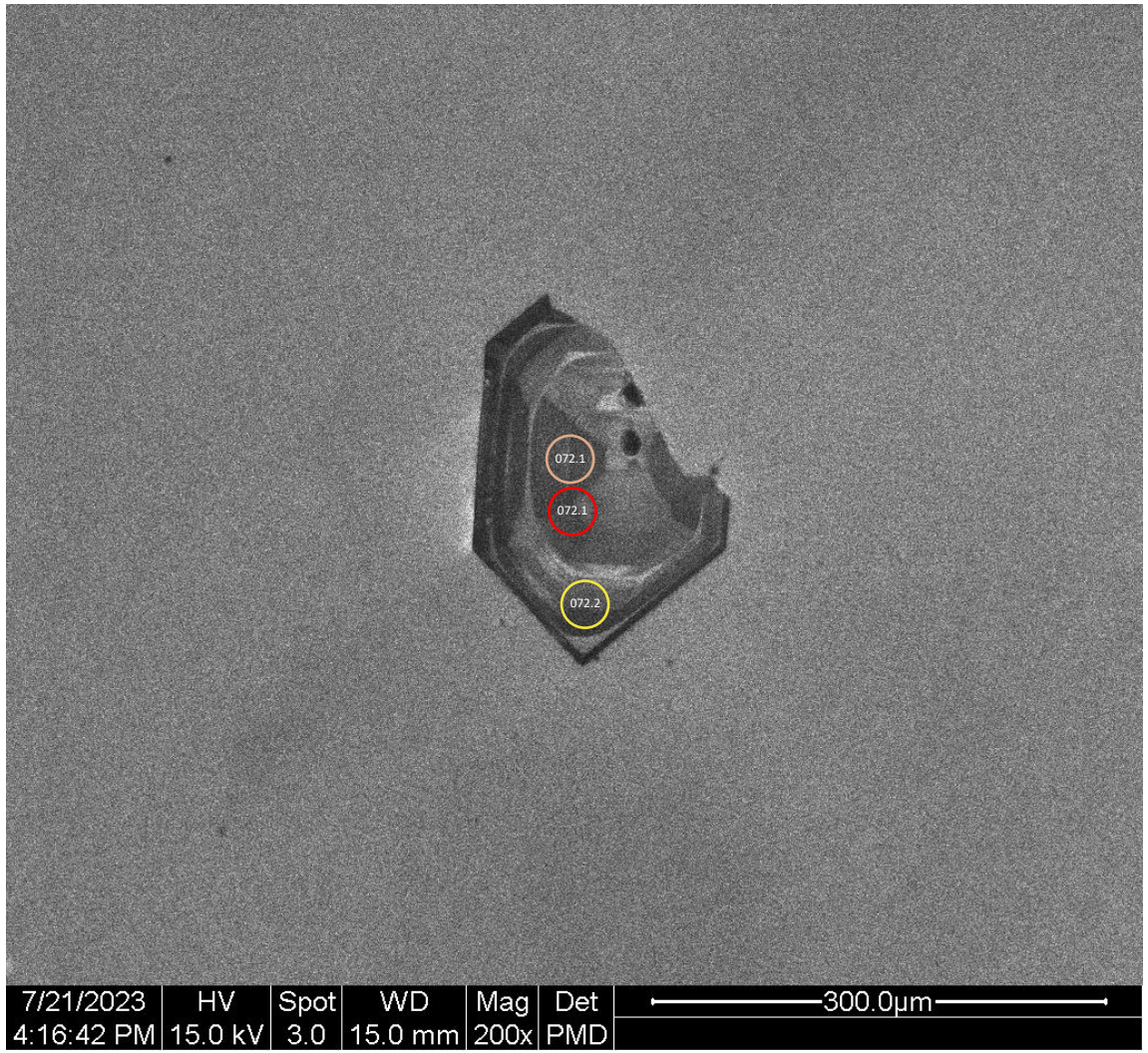
CG23CR07-CL_072.tif

2 x U-Pb

72.1, 72.2

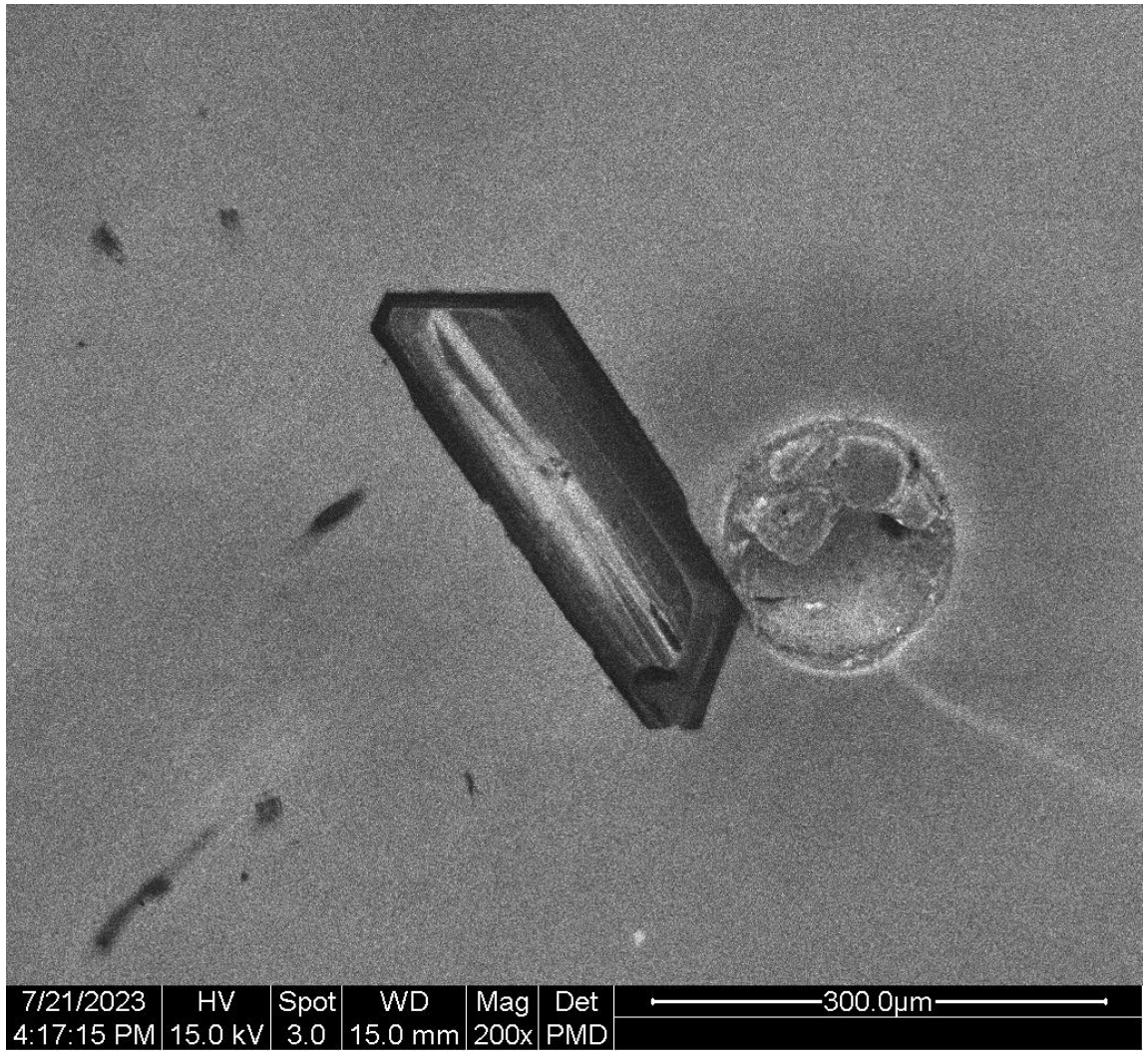
1 x TE

72.1



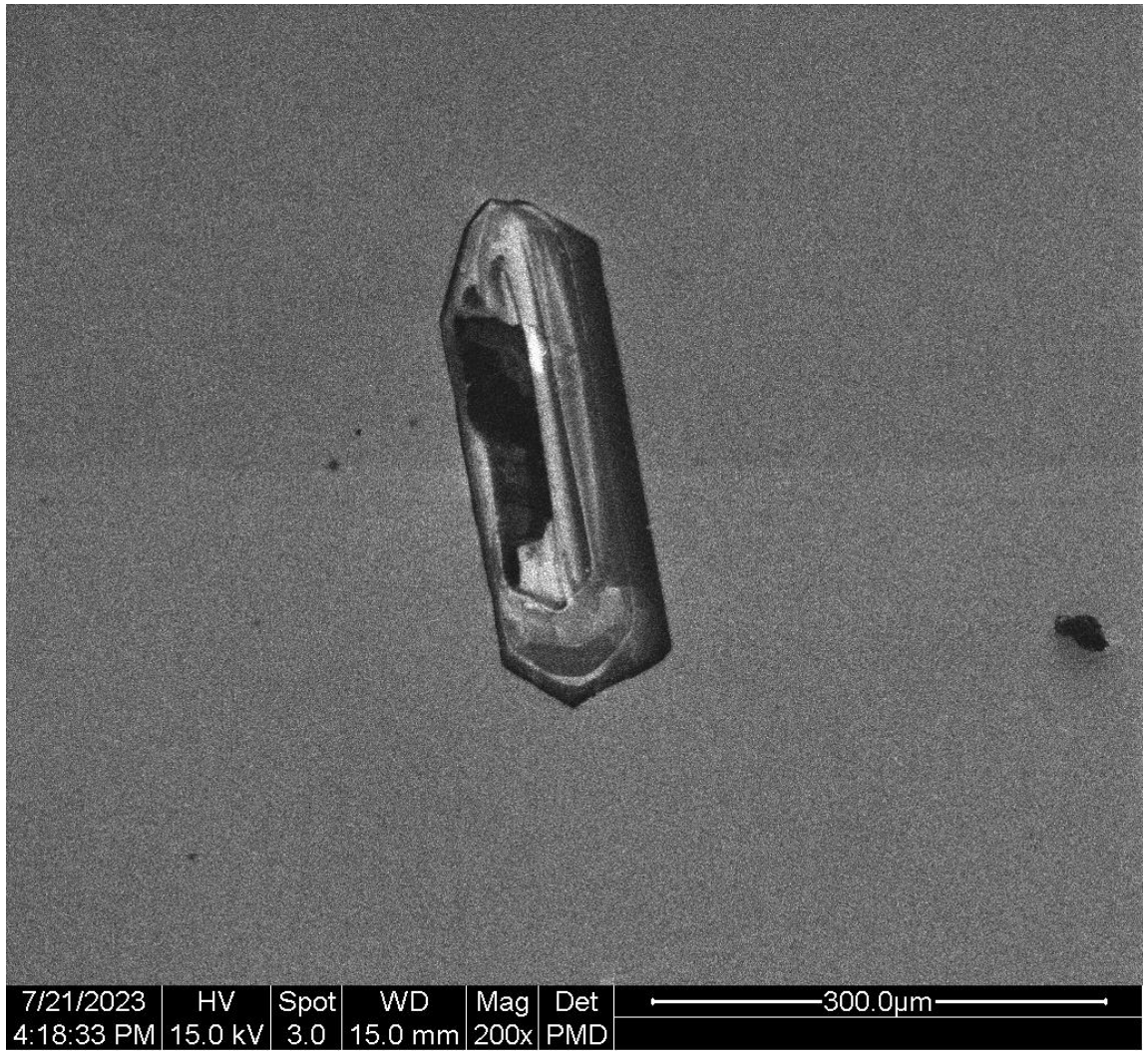
CG23CR07-CL_073.tif

**NA**



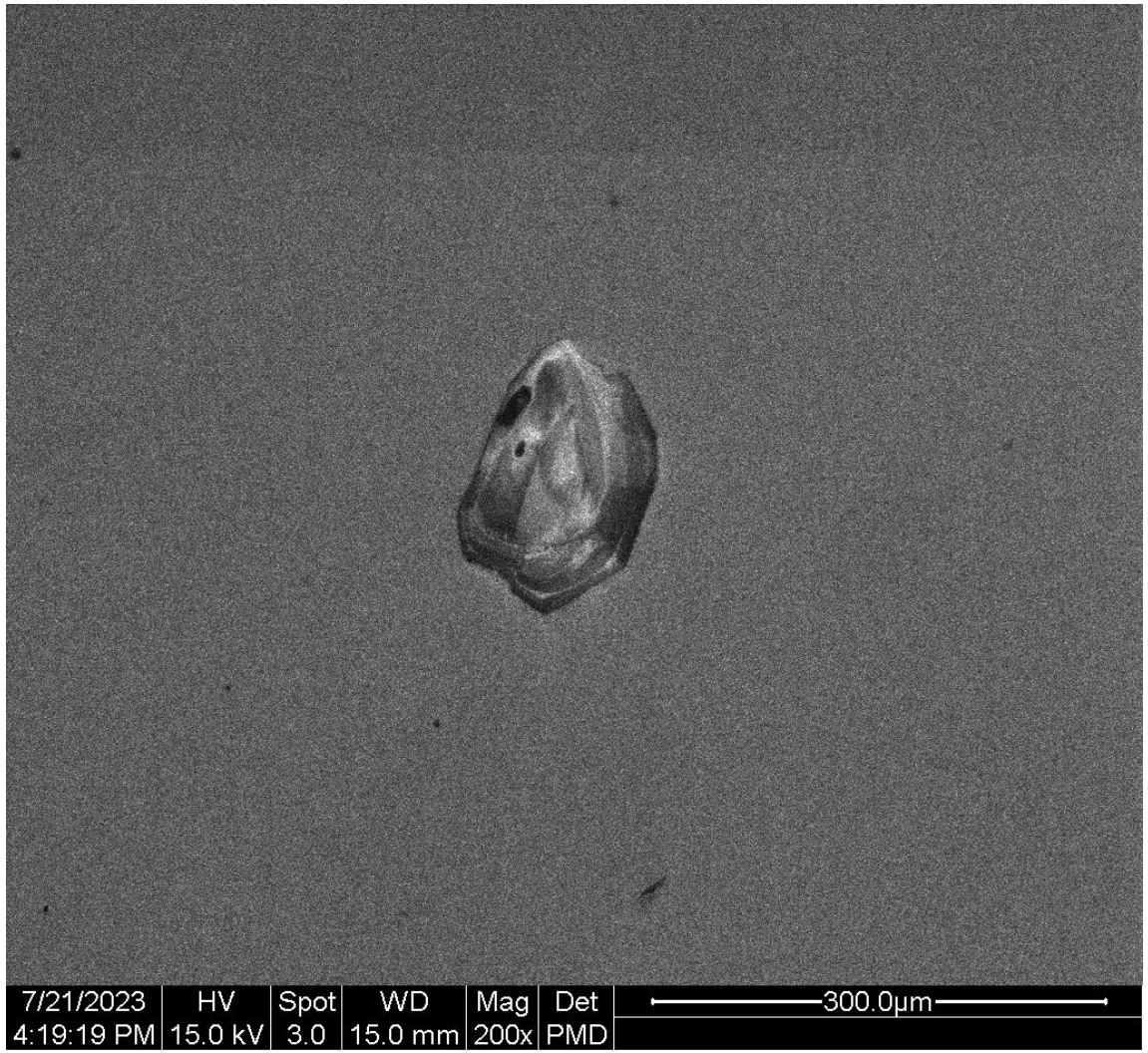
CG23CR07-CL_074.tif

**NA**



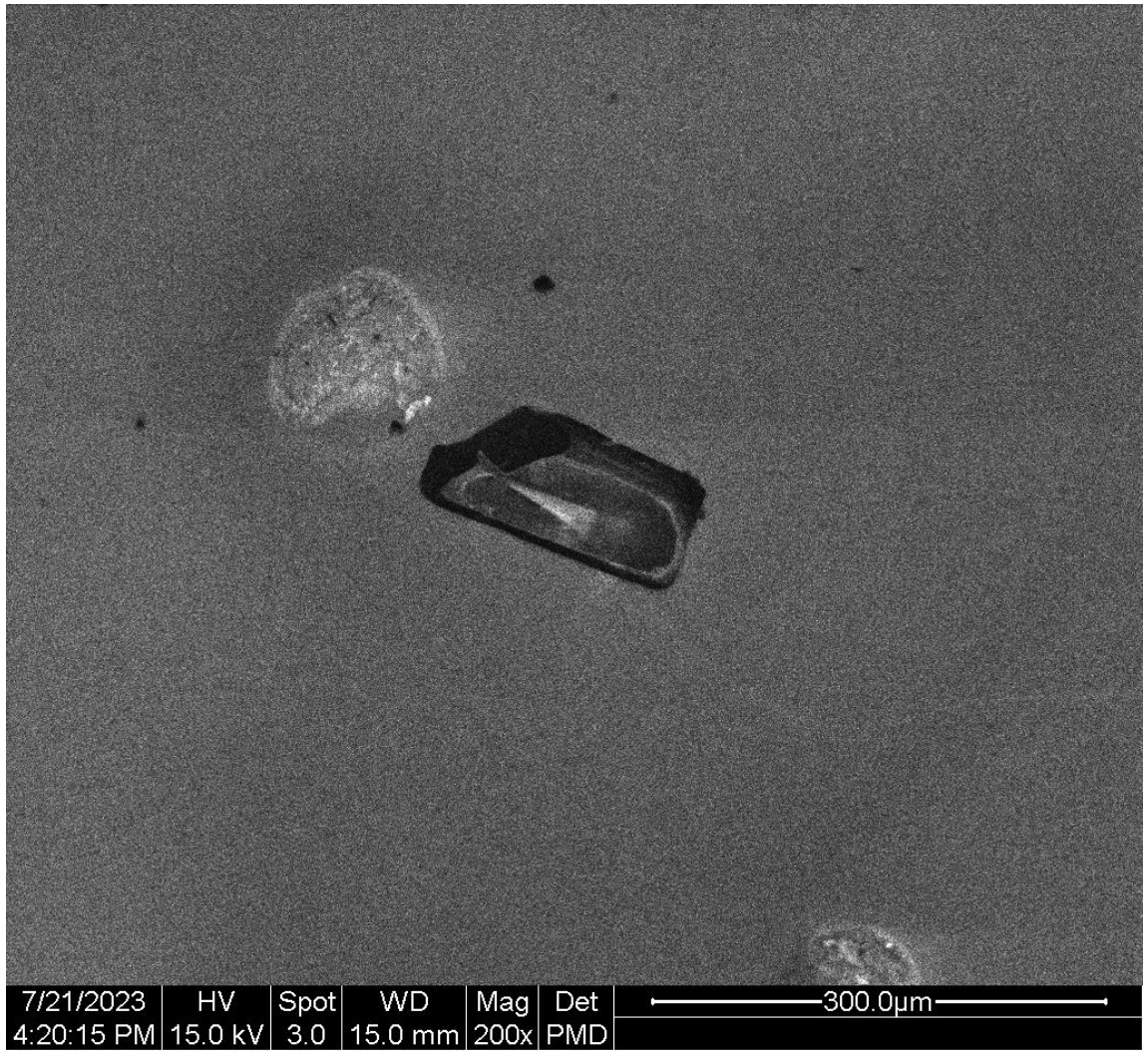
CG23CR07-CL_075.tif

**NA**



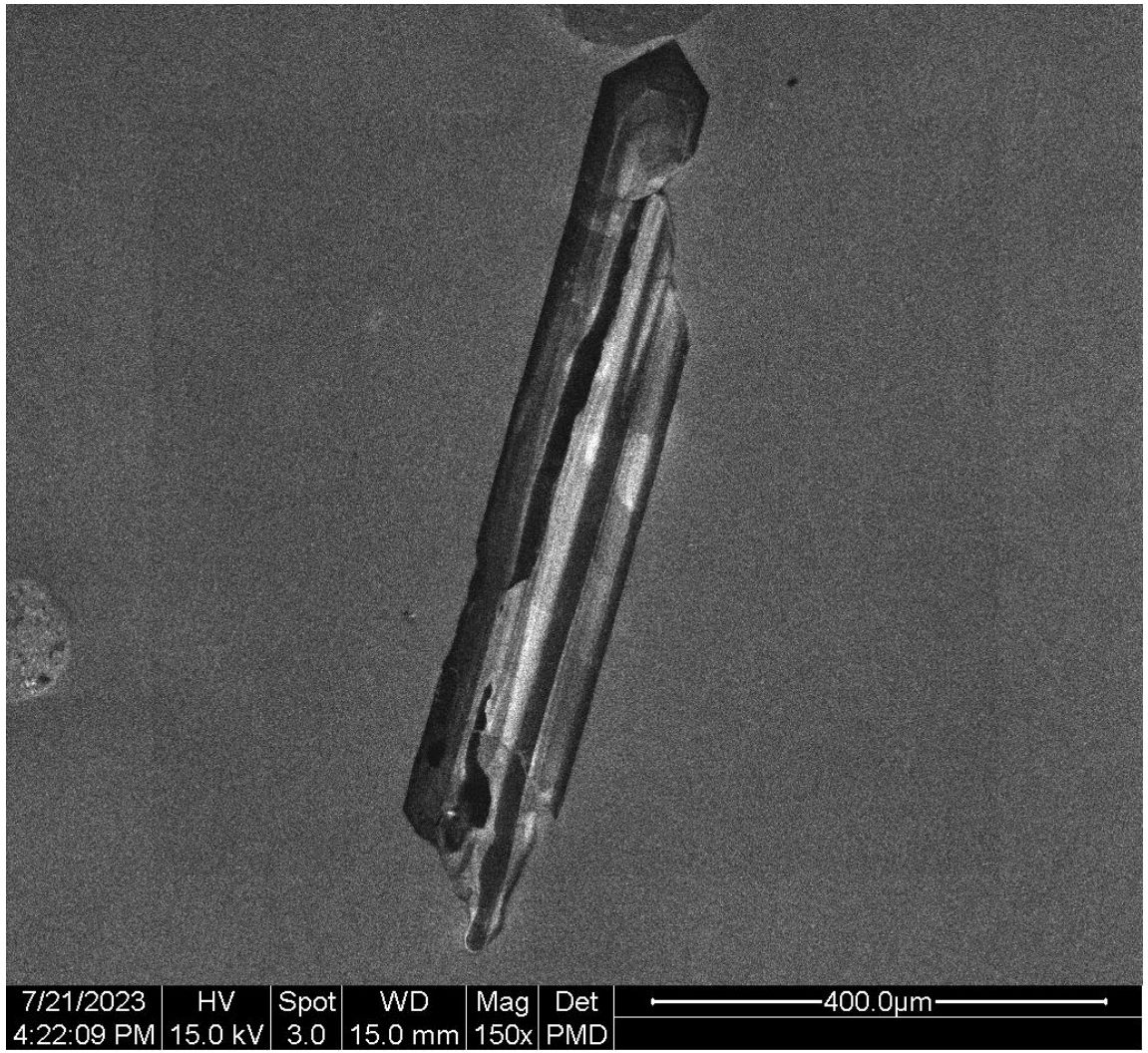
CG23CR07-
CL_076.tif

**NA**



CG23CR07-
CL_077.tif

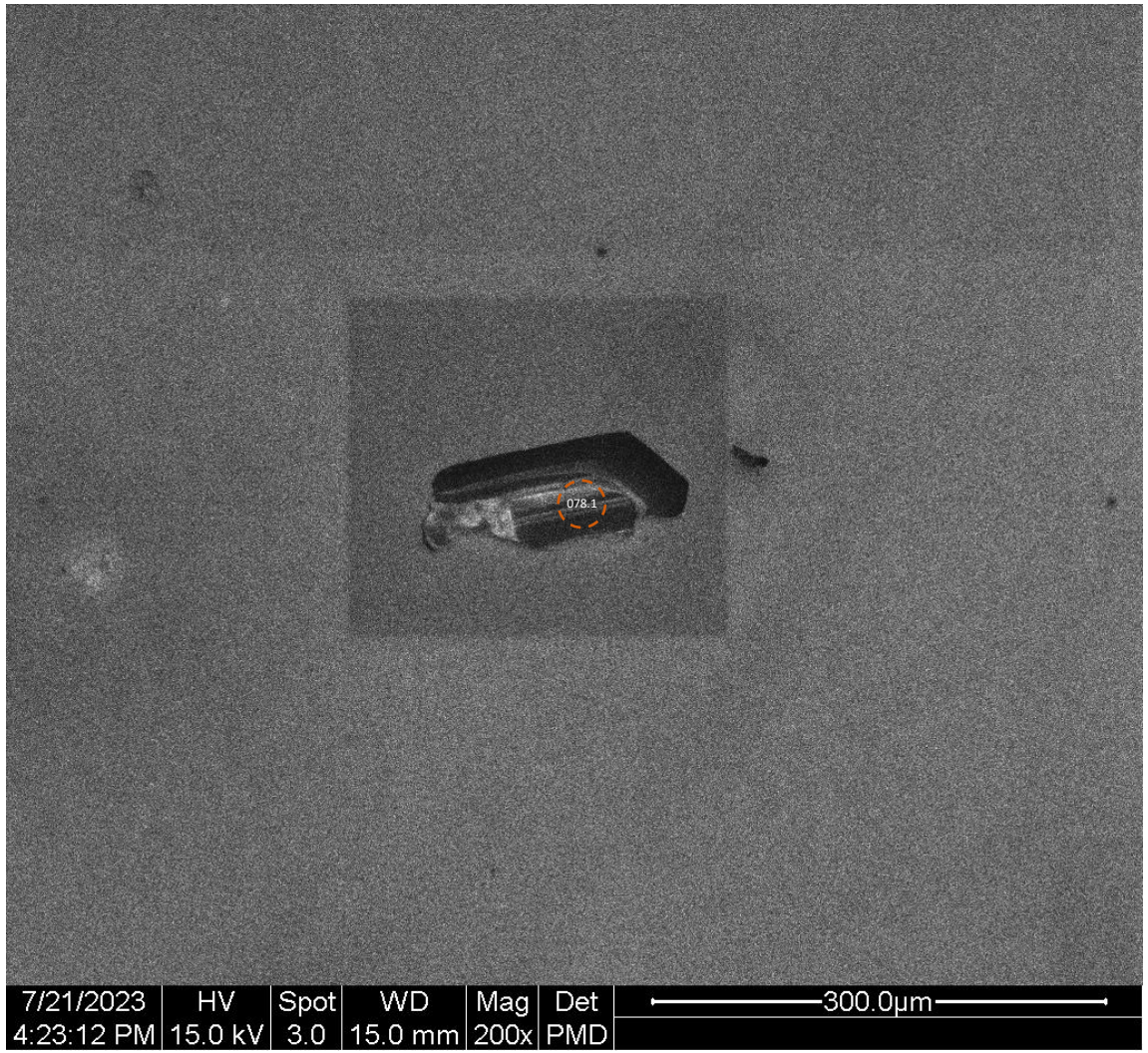
**NA**



CG23CR07-CL_078.tif

1 x U-Pb

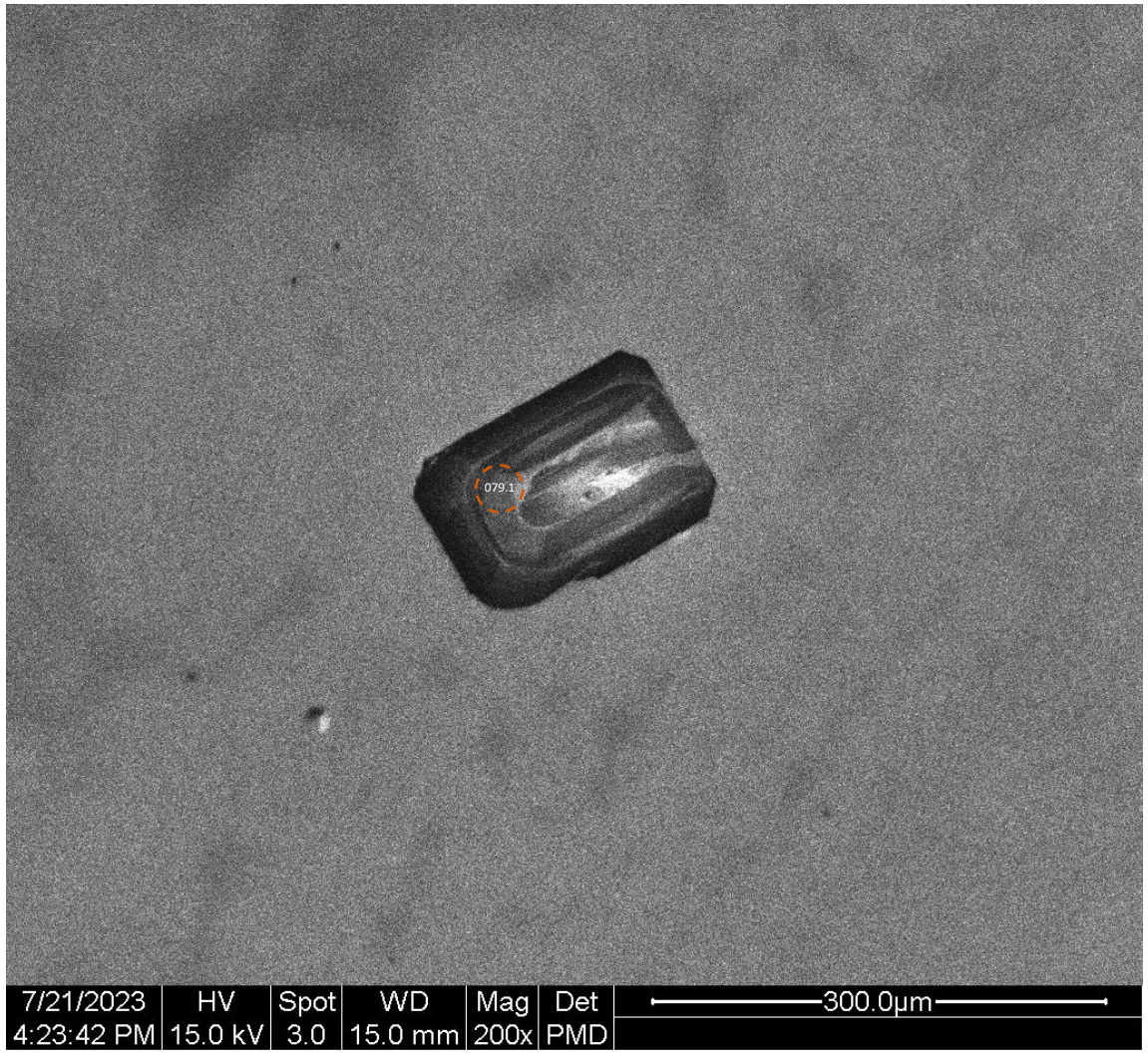
78.1



CG23CR07-CL_079.tif

1 x U-Pb

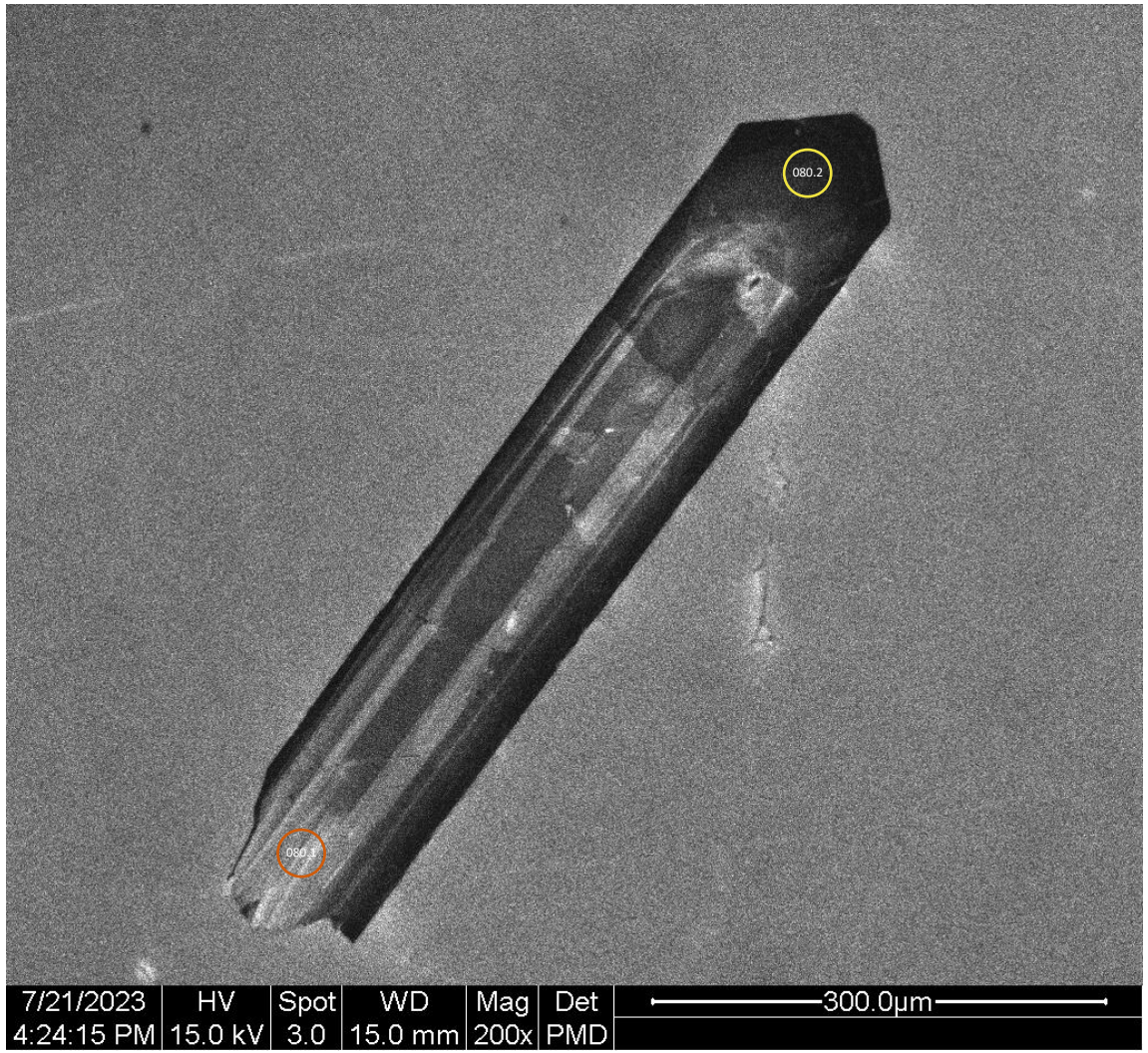
79.1



CG23CR07-CL_080.tif

2 x U-Pb

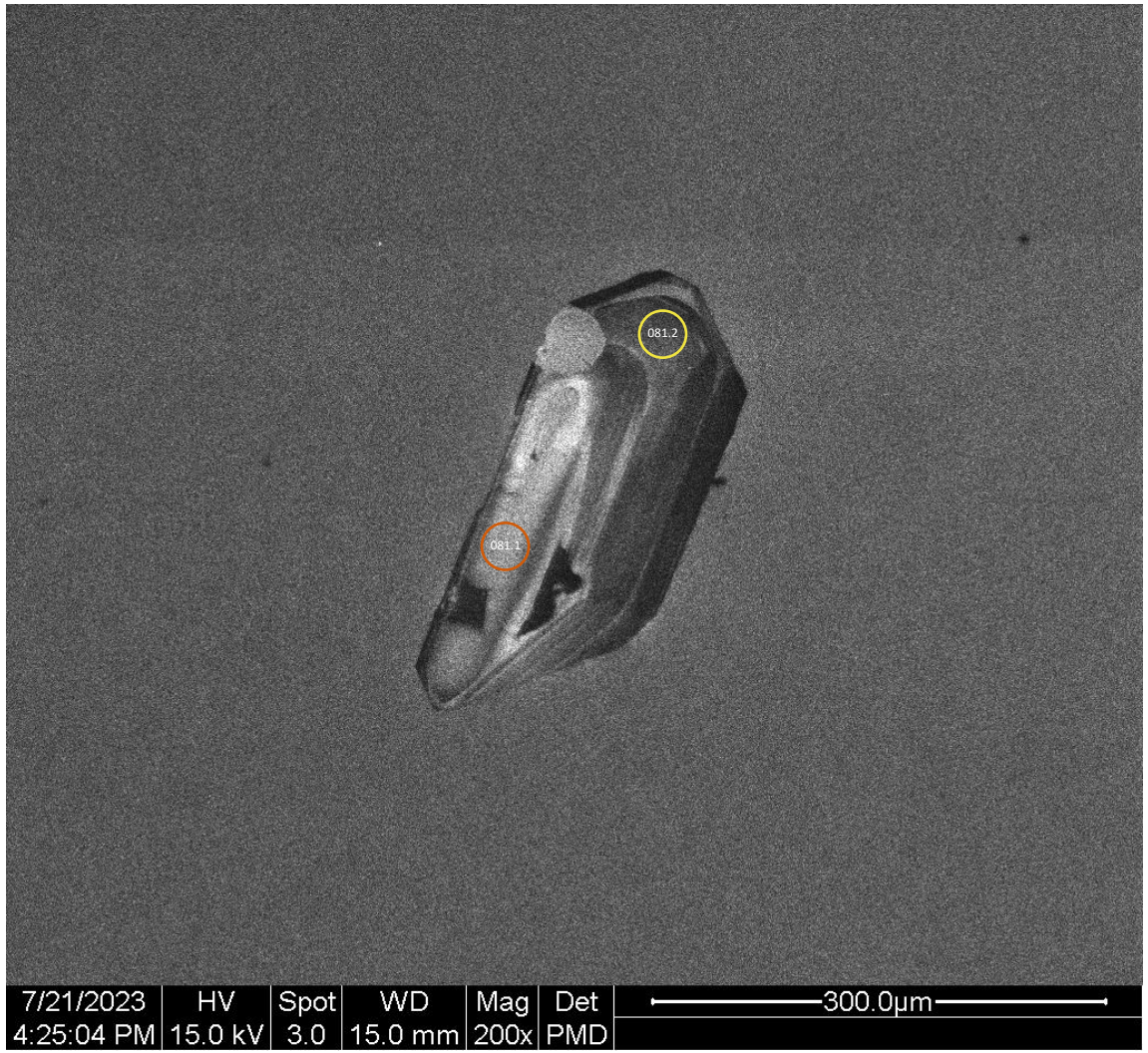
80.1, 80.2



CG23CR07-
CL_081.tif

2 x U-Pb

81.1, 81.2



CG23CR07-CL_082.tif

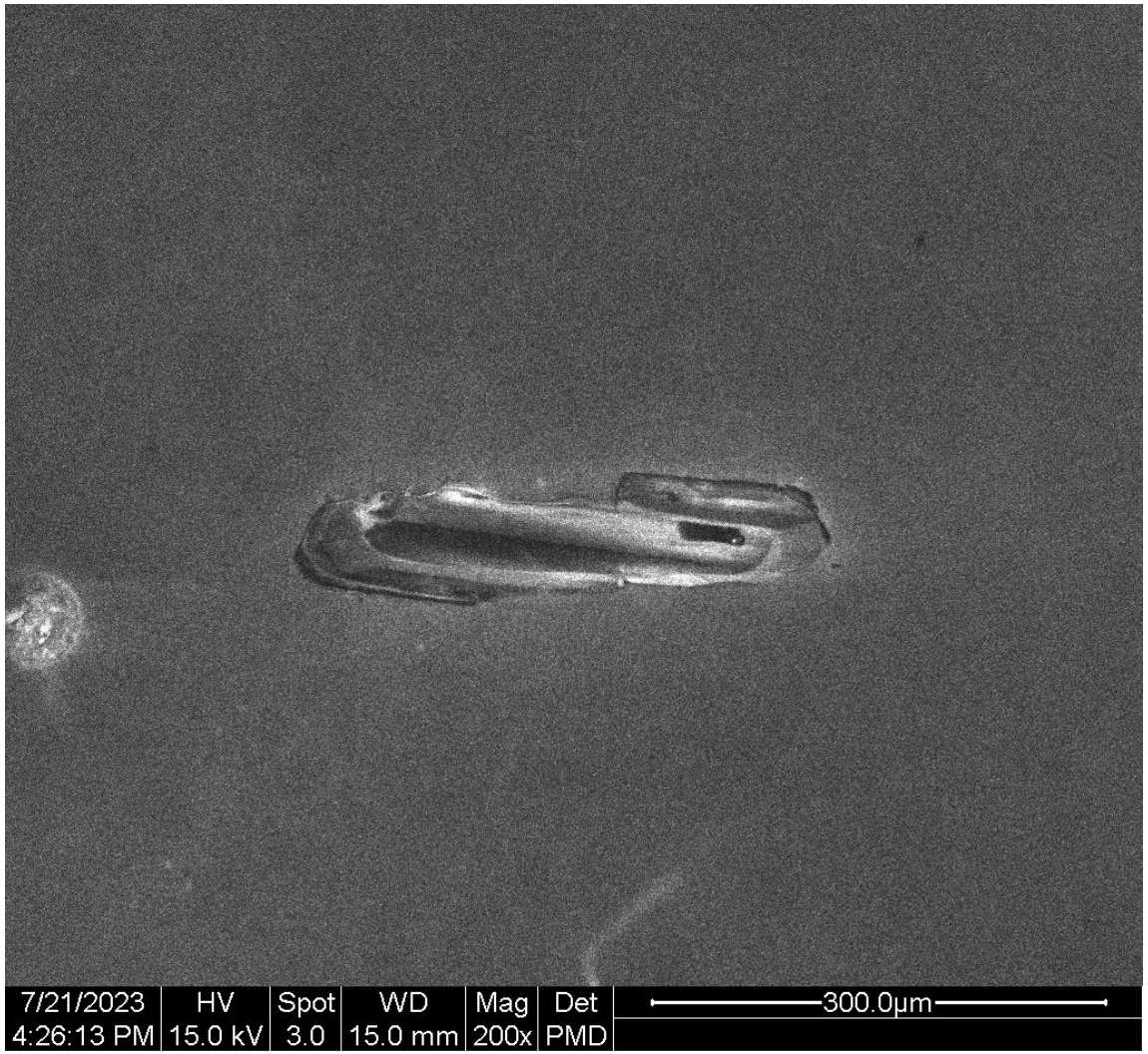
1 x U-Pb

82.1



CG23CR07-
CL_083.tif

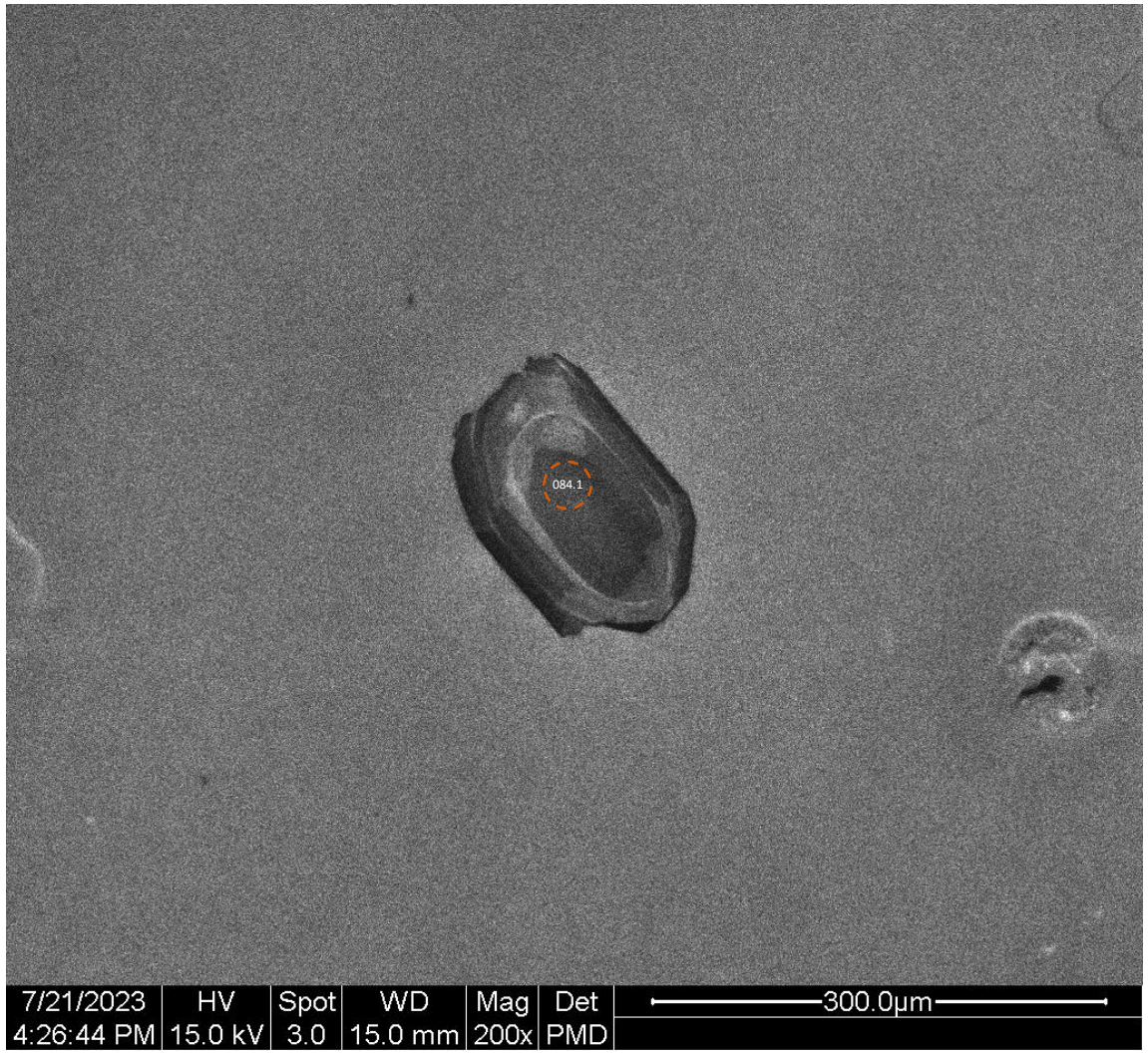
**NA**



CG23CR07-CL_084.tif

1 x U-Pb

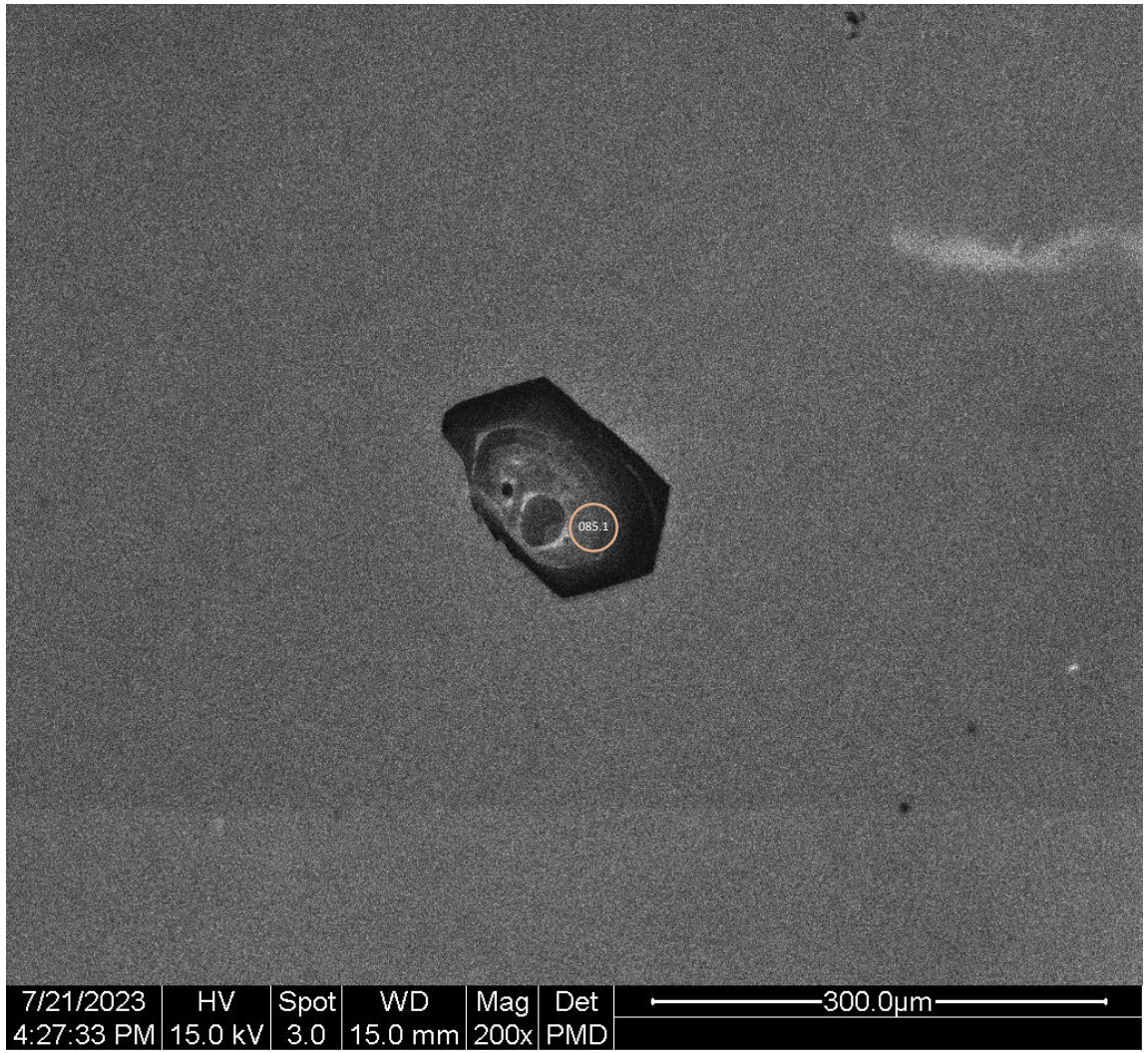
84.1



CG23CR07-CL_085.tif

1 x U-Pb

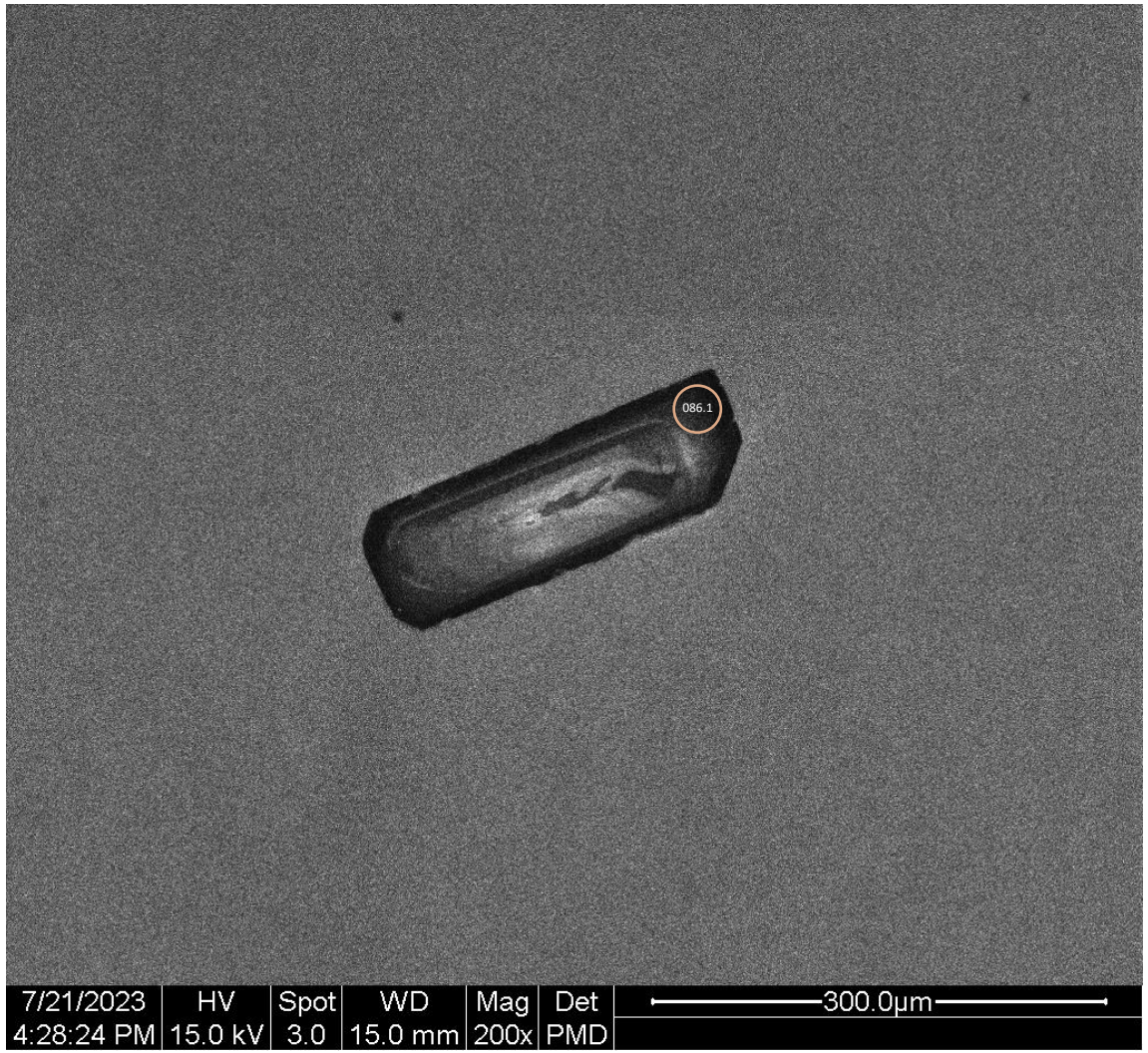
85.1



CG23CR07-CL_086.tif

1 x U-Pb

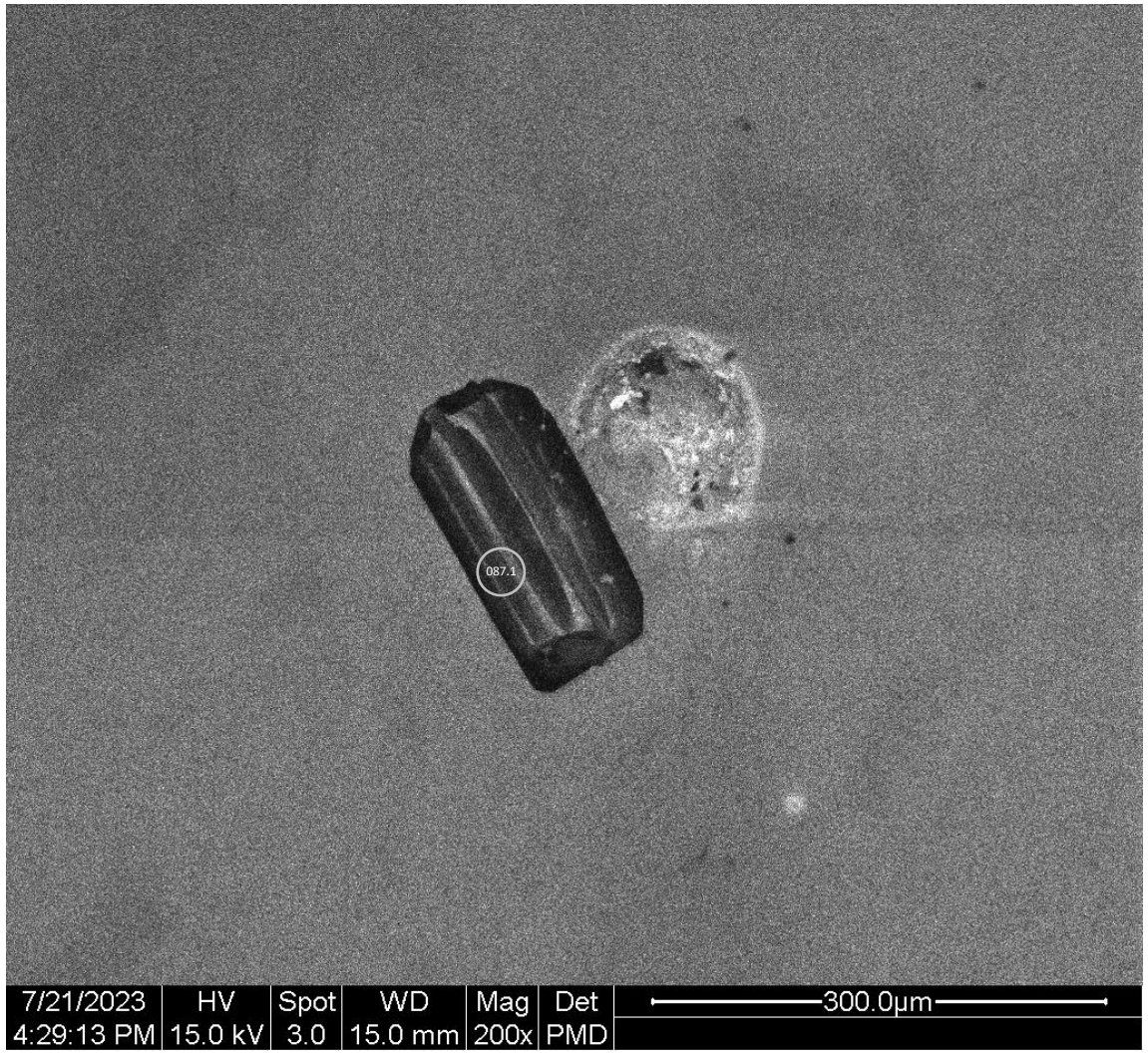
86.1



CG23CR07-CL_087.tif

1 x U-Pb

87.1



CG23CR07-CL_088.tif

1 x U-Pb

88.1 **(oldest antecrystic core in CR-07)**

1 x TE

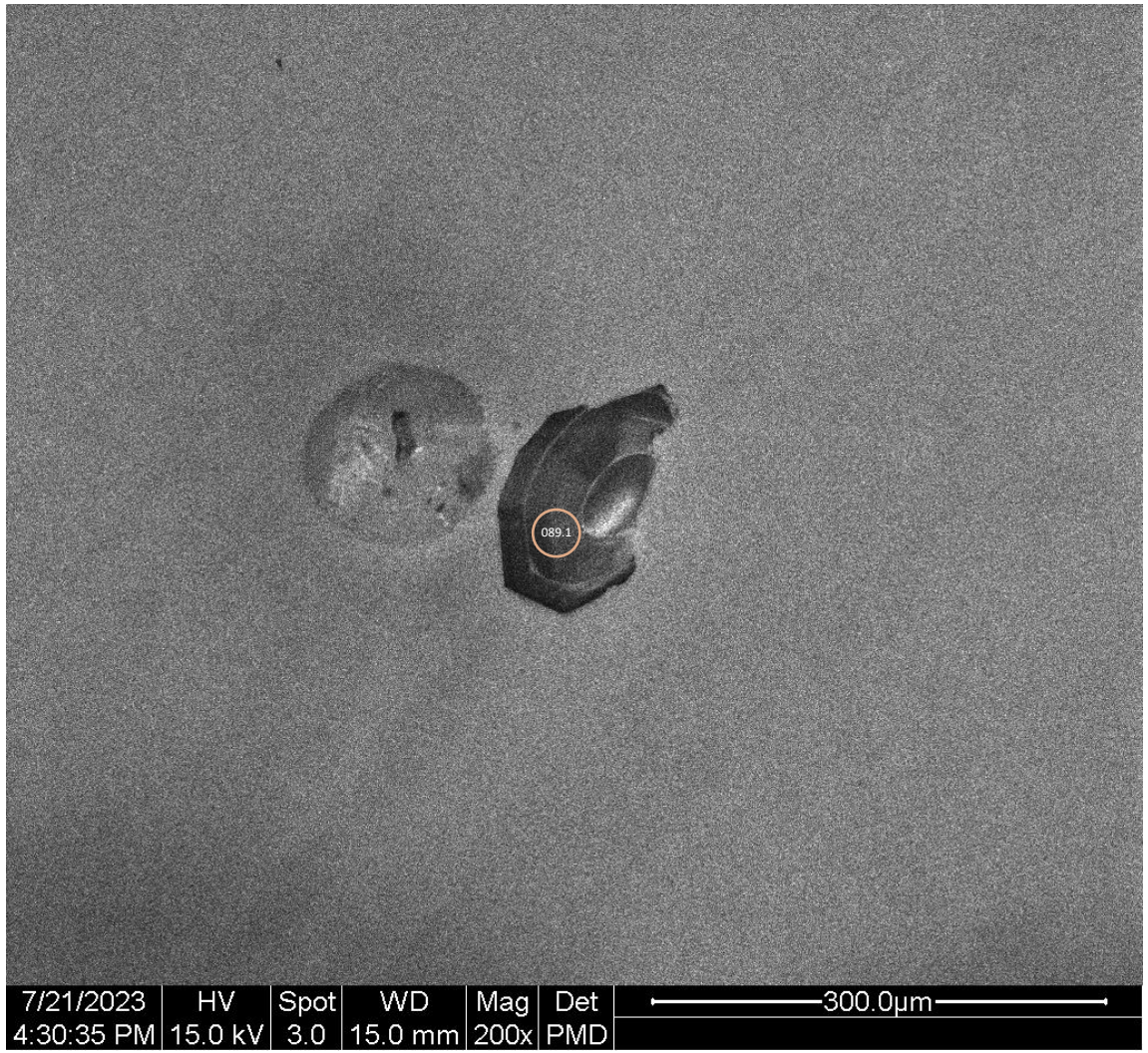
88.1



CG23CR07-CL_089.tif

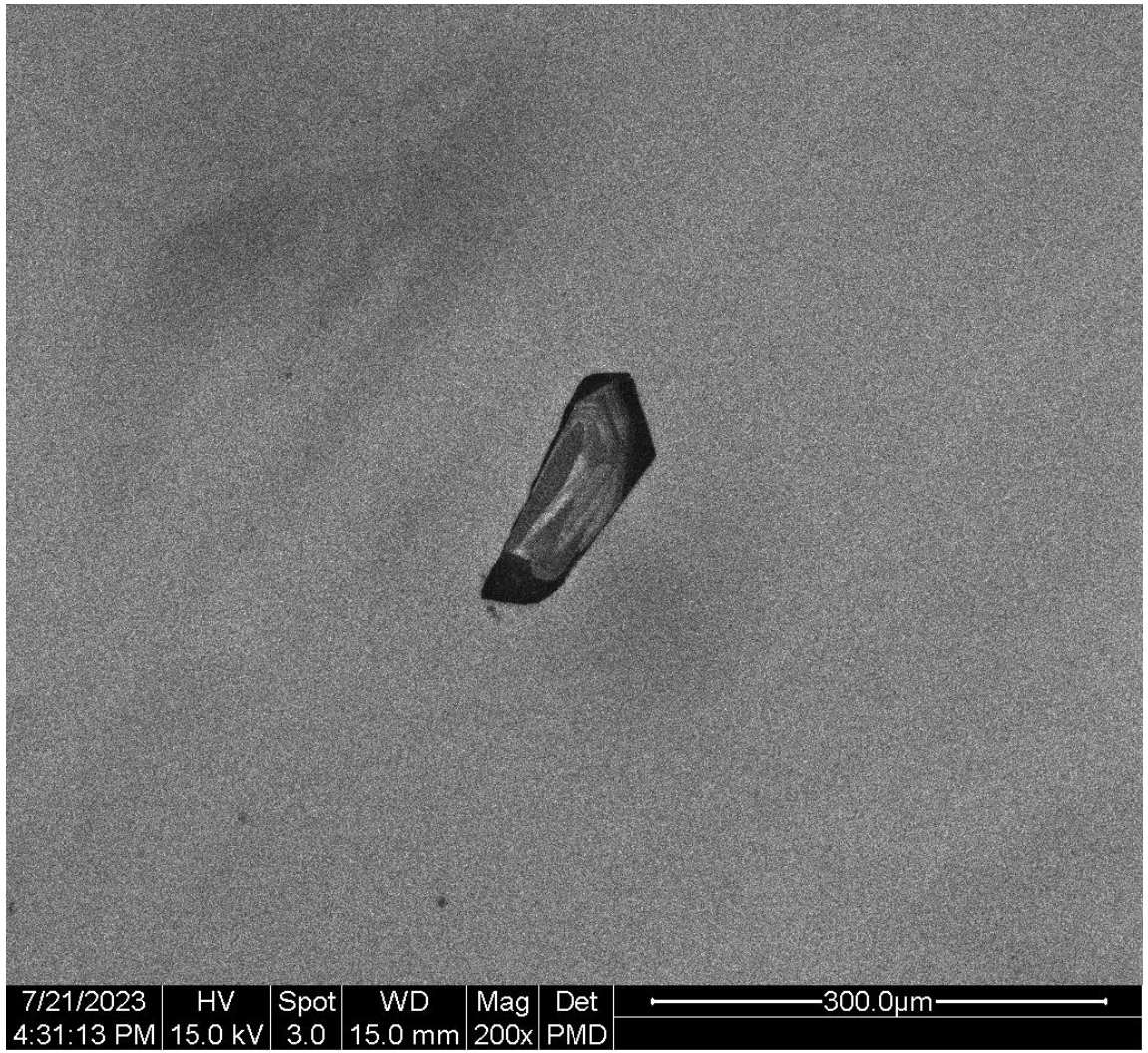
1 x U-Pb

89.1



CG23CR07-CL_090.tif

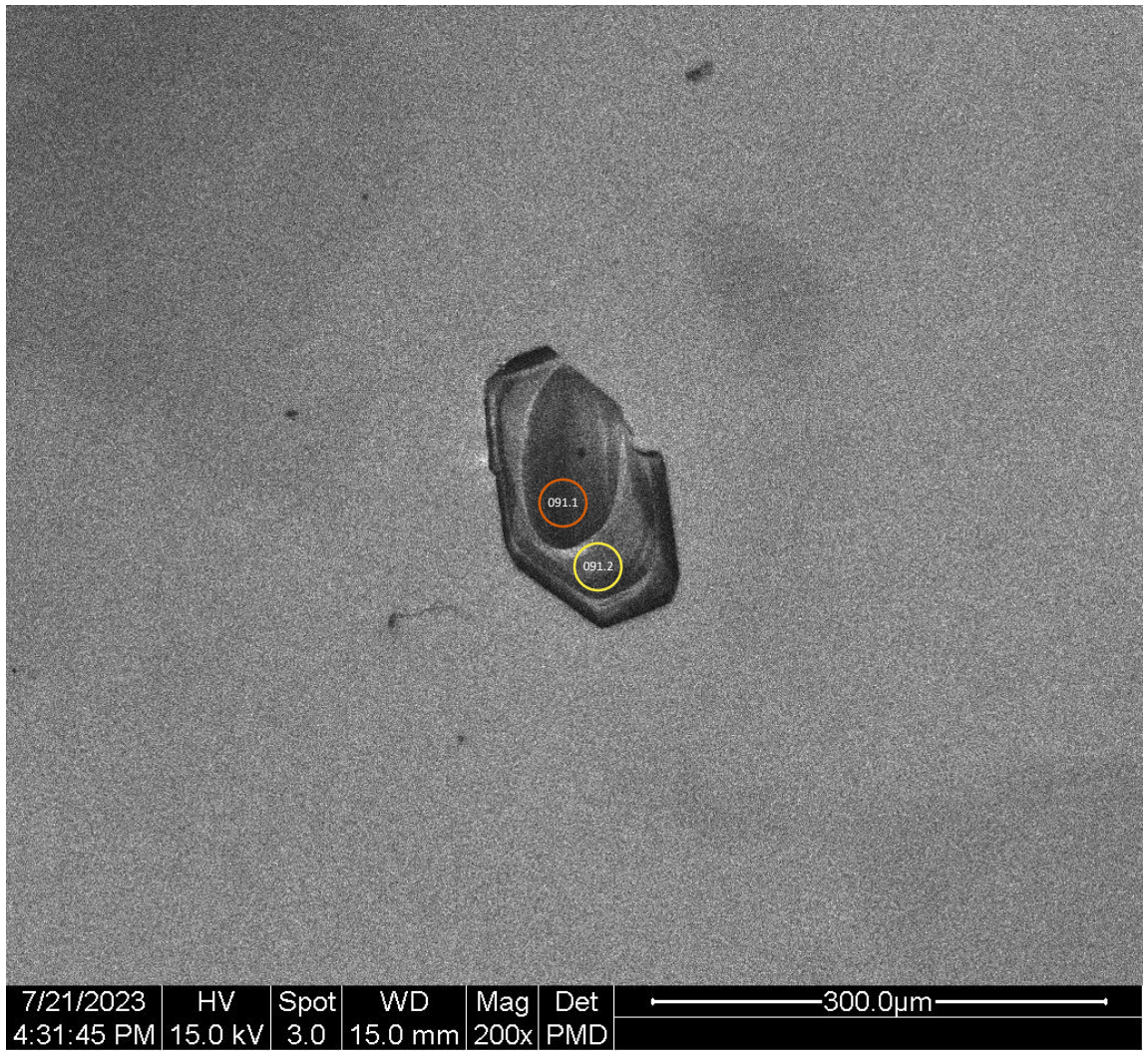
**NA**



CG23CR07-CL_091.tif

2 x U-Pb

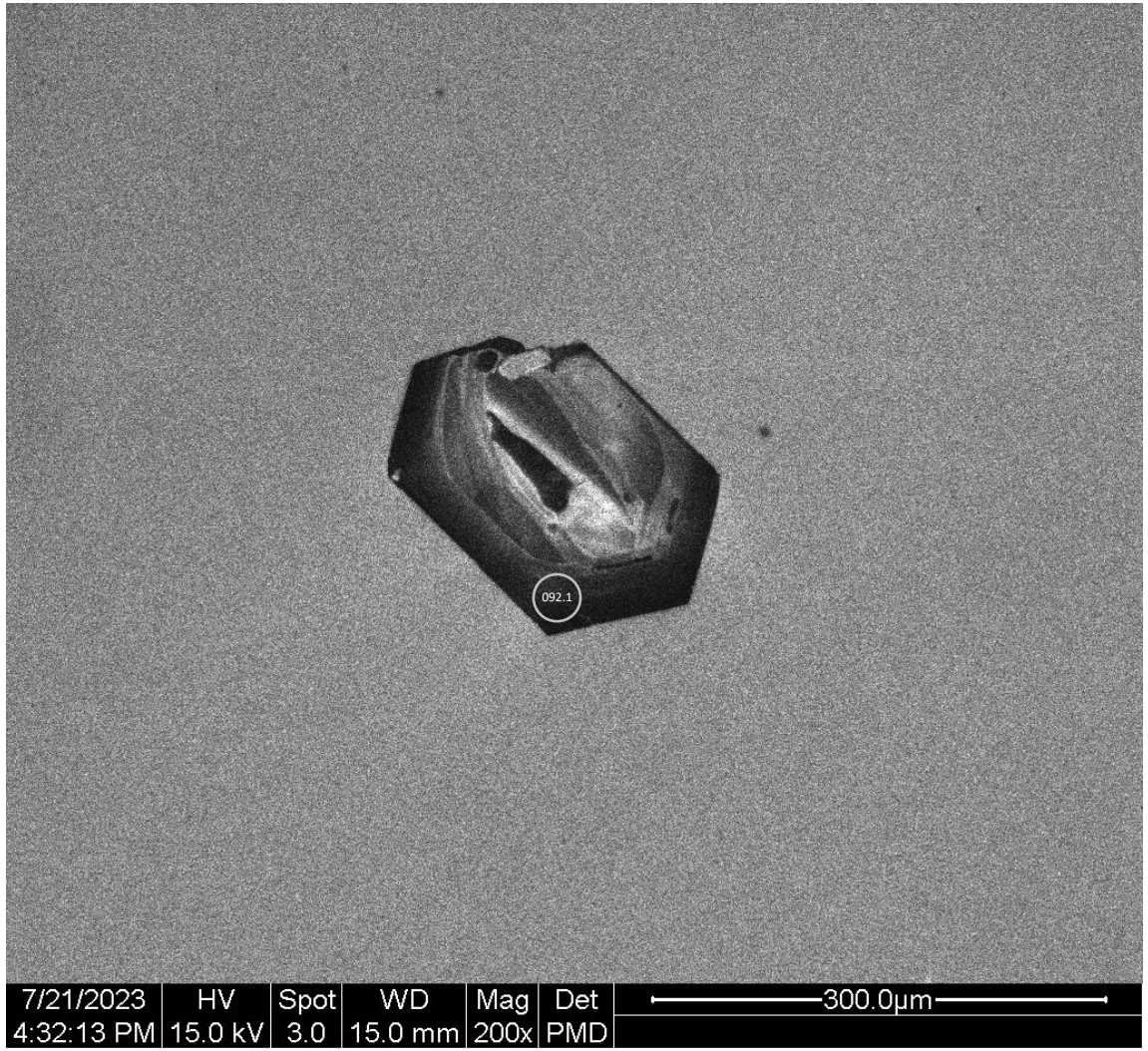
91.1, 91.2



CG23CR07-CL_092.tif

1 x U-Pb

92.1



CG23CR07-
CL_093.tif

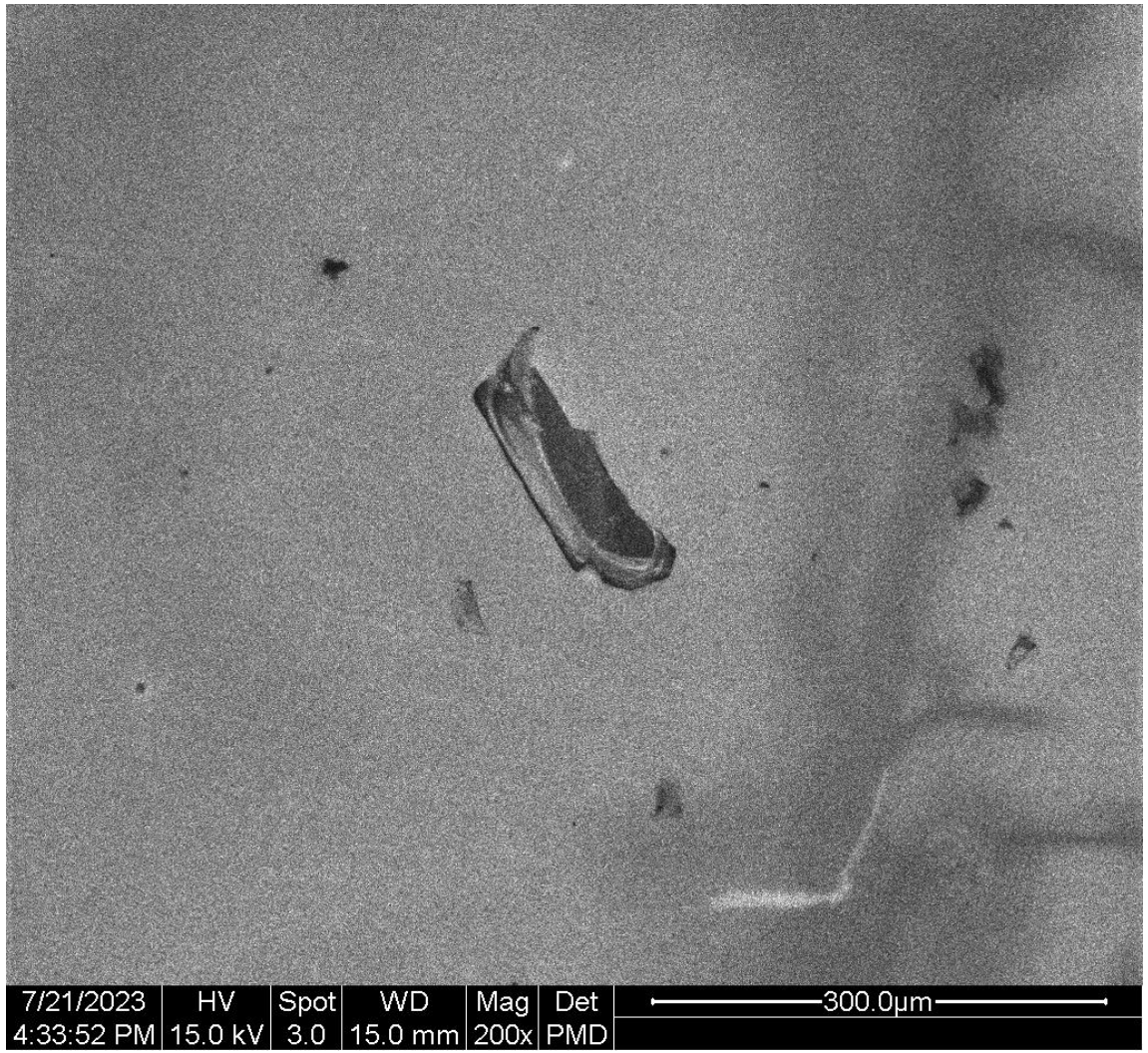
2 x U-Pb

93.1, 93.2



CG23CR07-CL_094.tif

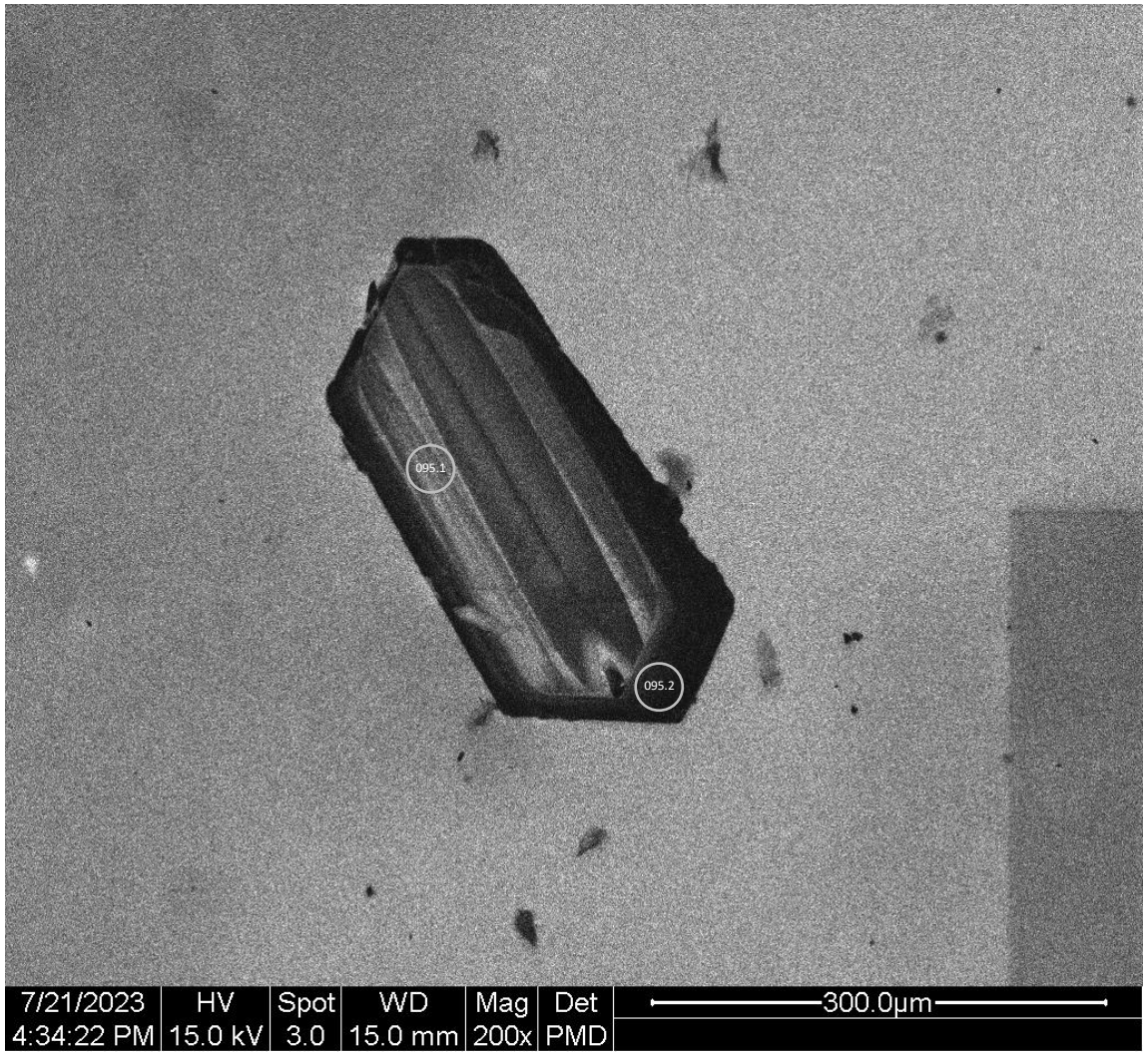
**NA**



CG23CR07-CL_095.tif

2 x U-Pb

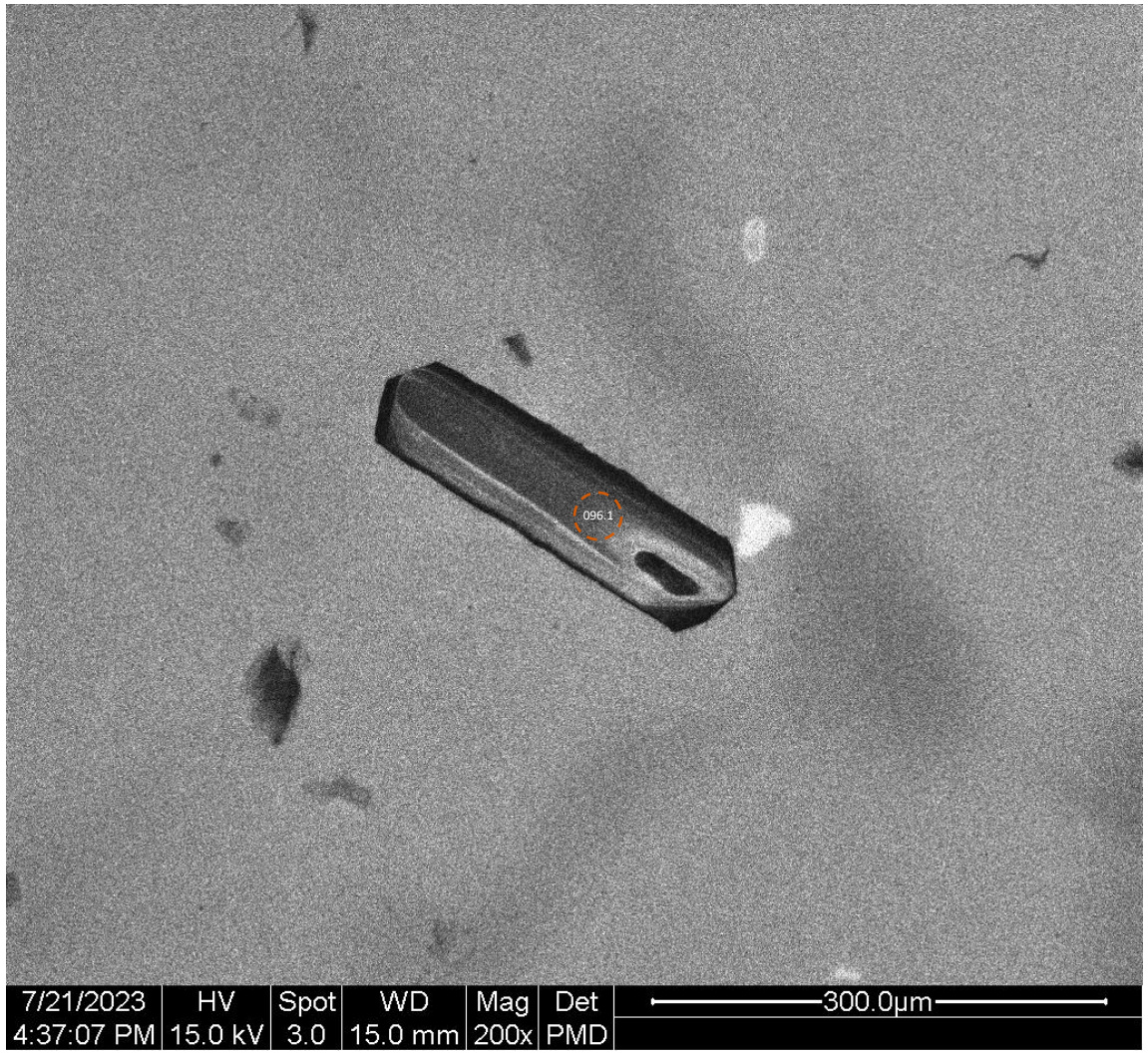
95.1, 95.2



CG23CR07-CL_096.tif

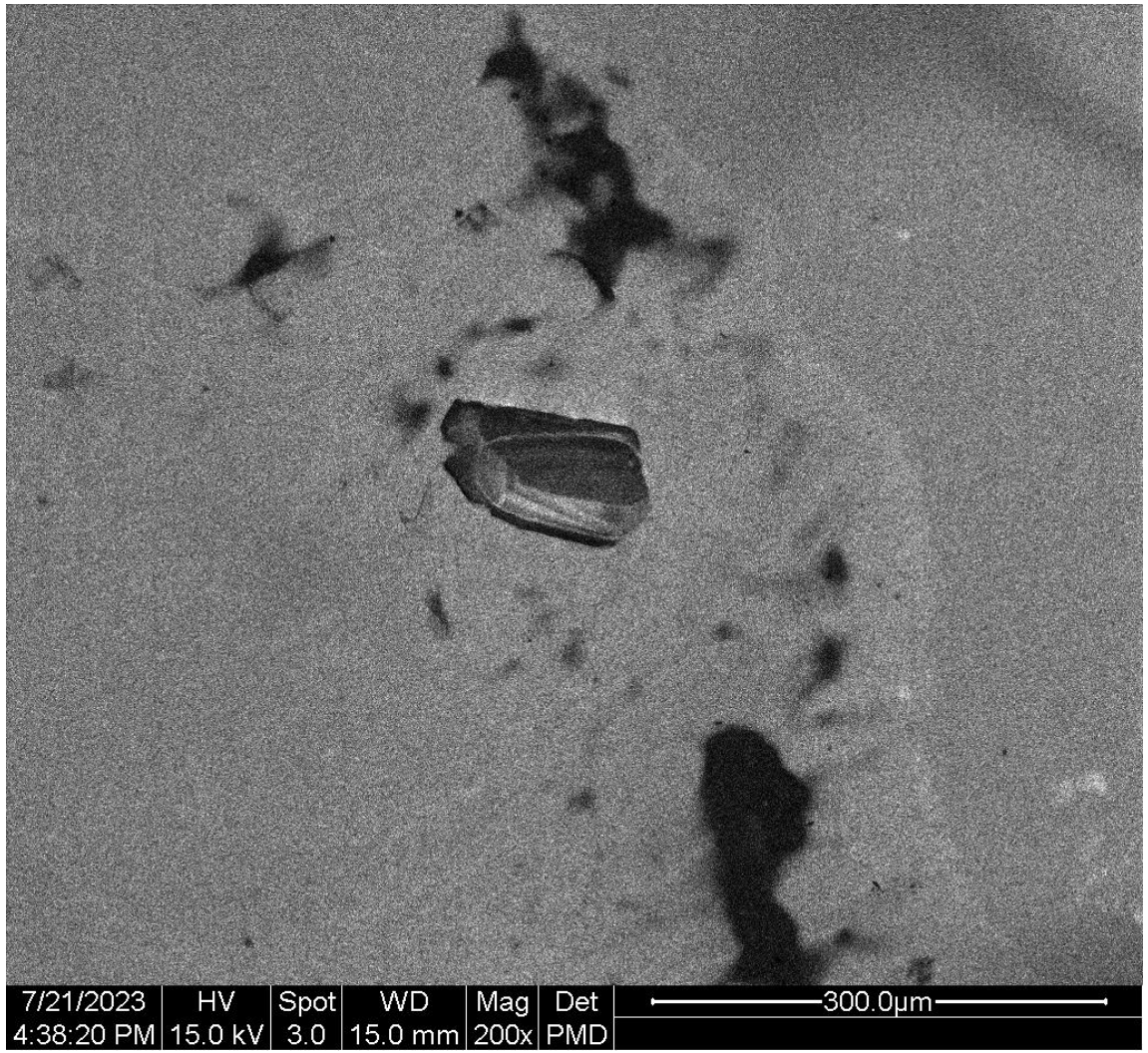
1 x U-Pb

96.1



CG23CR07-CL_097.tif

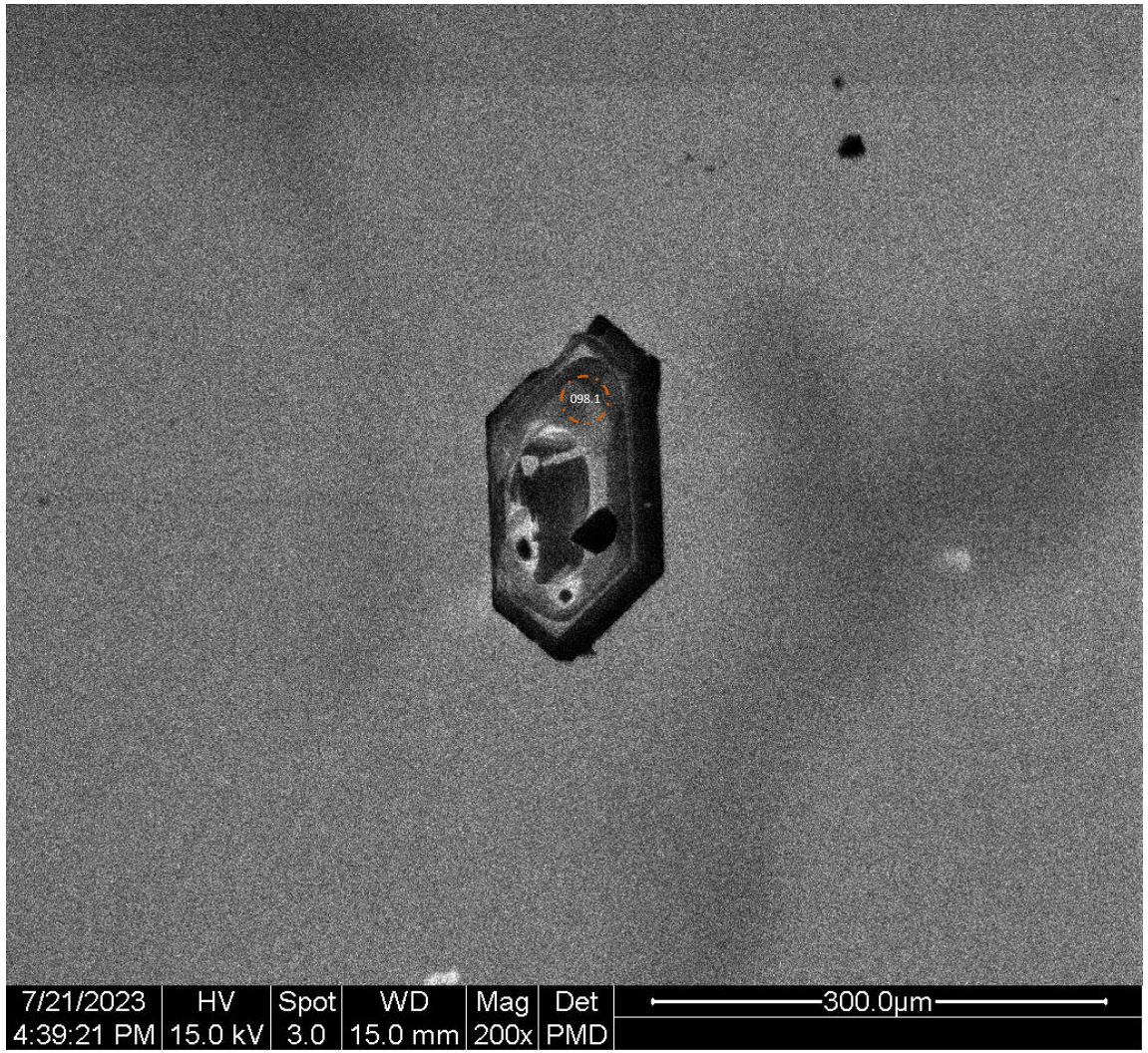
**NA**



CG23CR07-CL_098.tif

1 x U-Pb

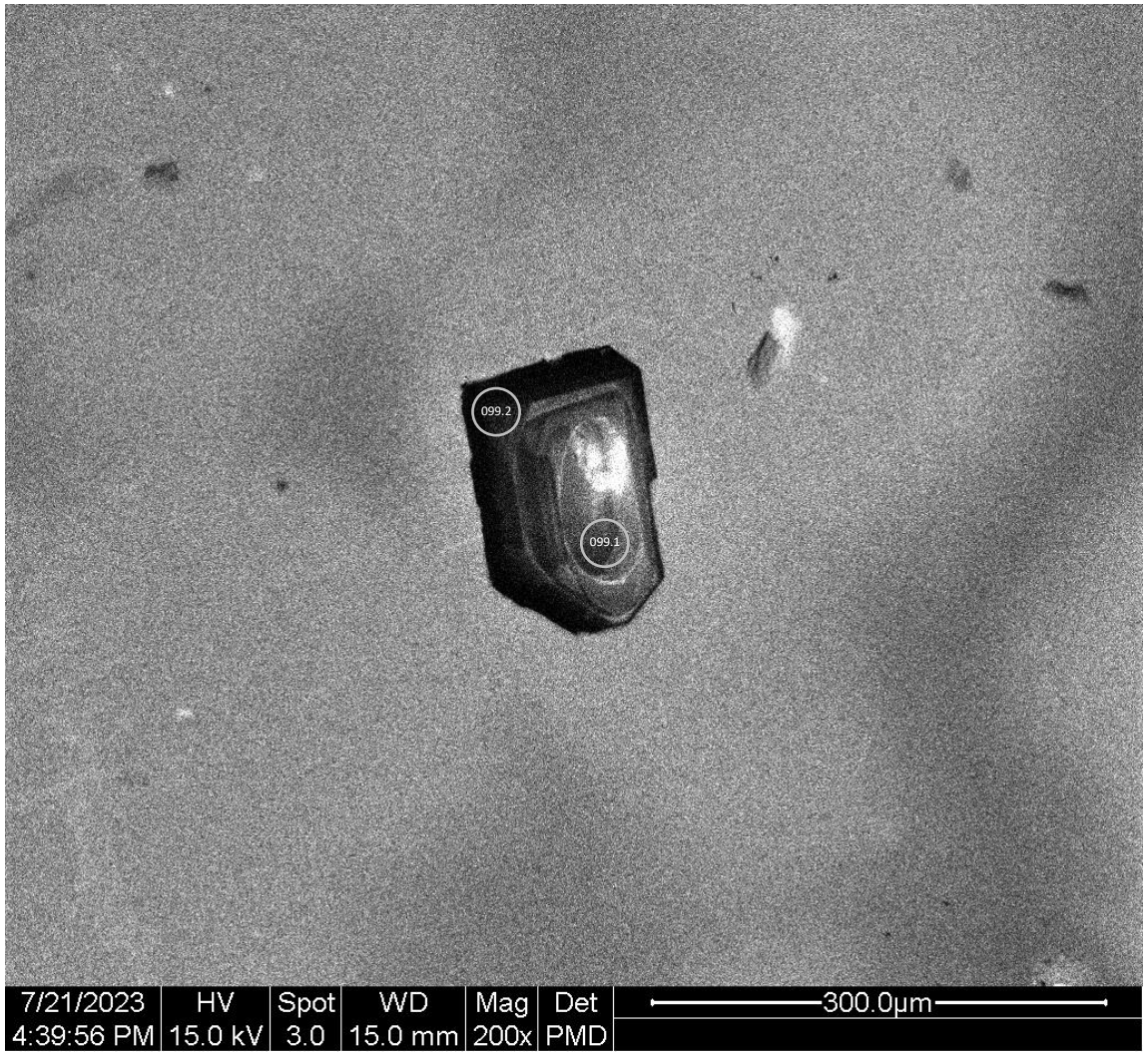
98.1



CG23CR07-CL_099.tif

2 x U-Pb

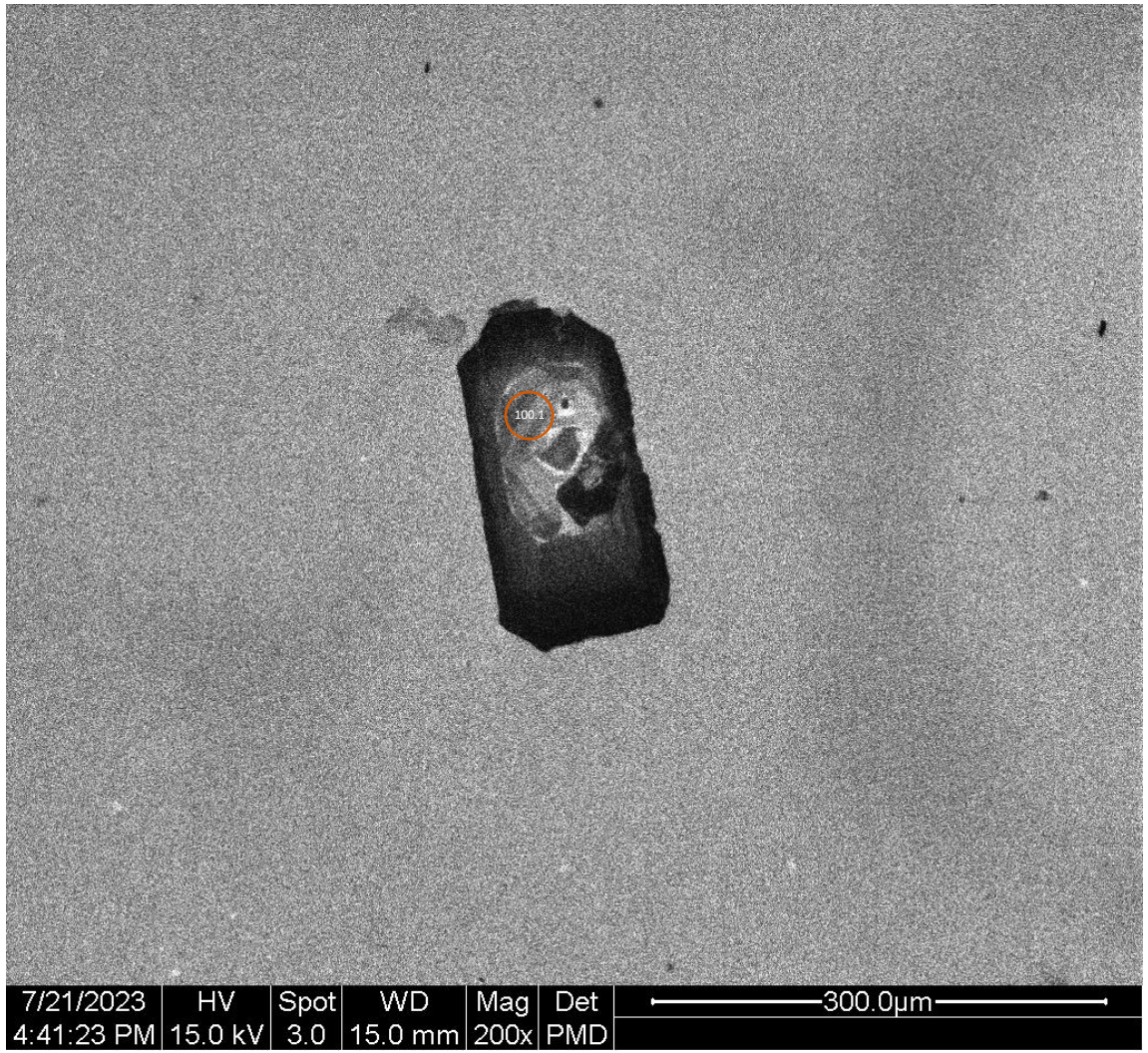
99.1, 99.2



CG23CR07-CL_100.tif

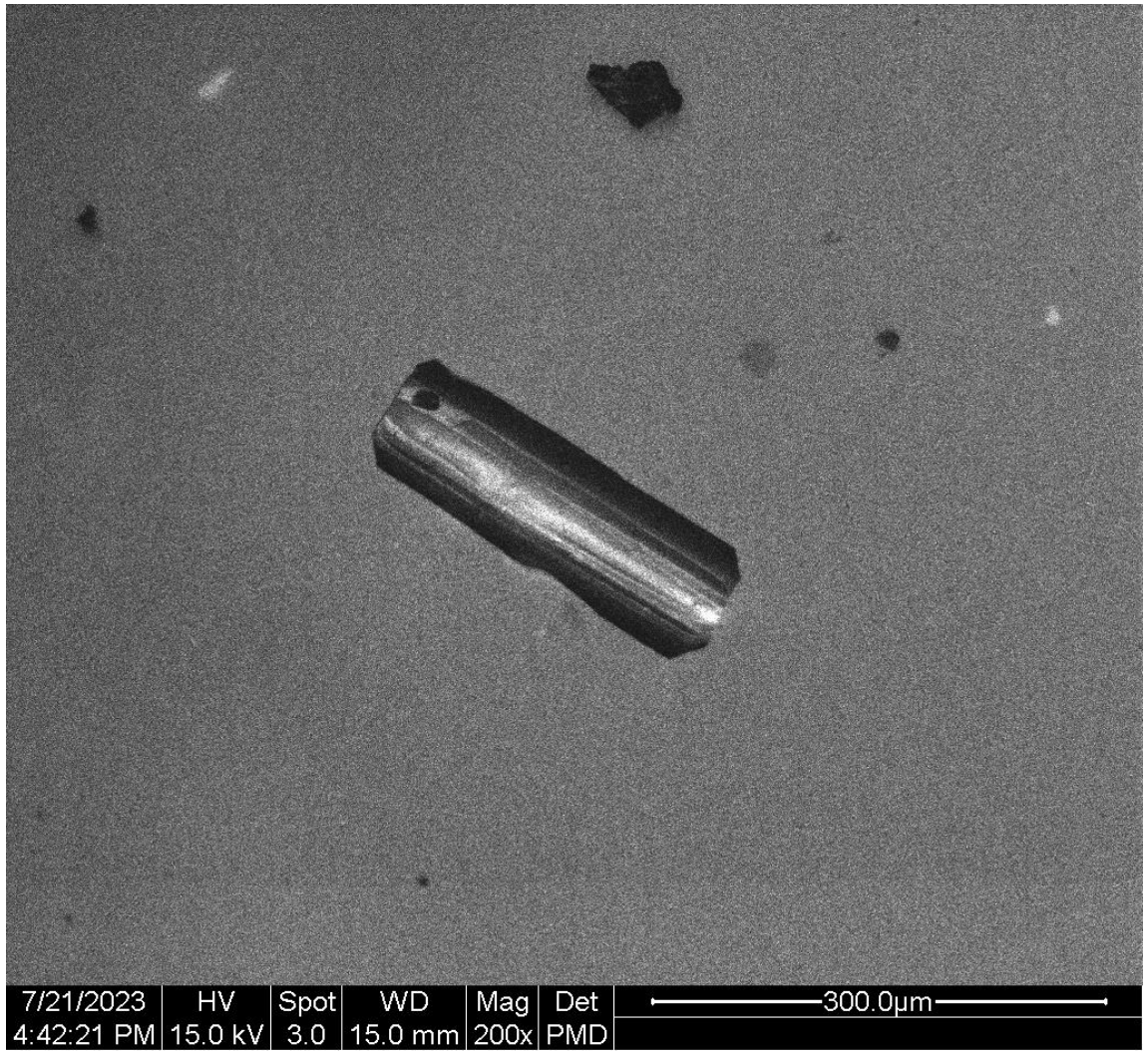
1 x U-Pb

100.1



CG23CR07-
CL_101.tif

**NA**



CG23CR07-CL_102.tif

**NA**

