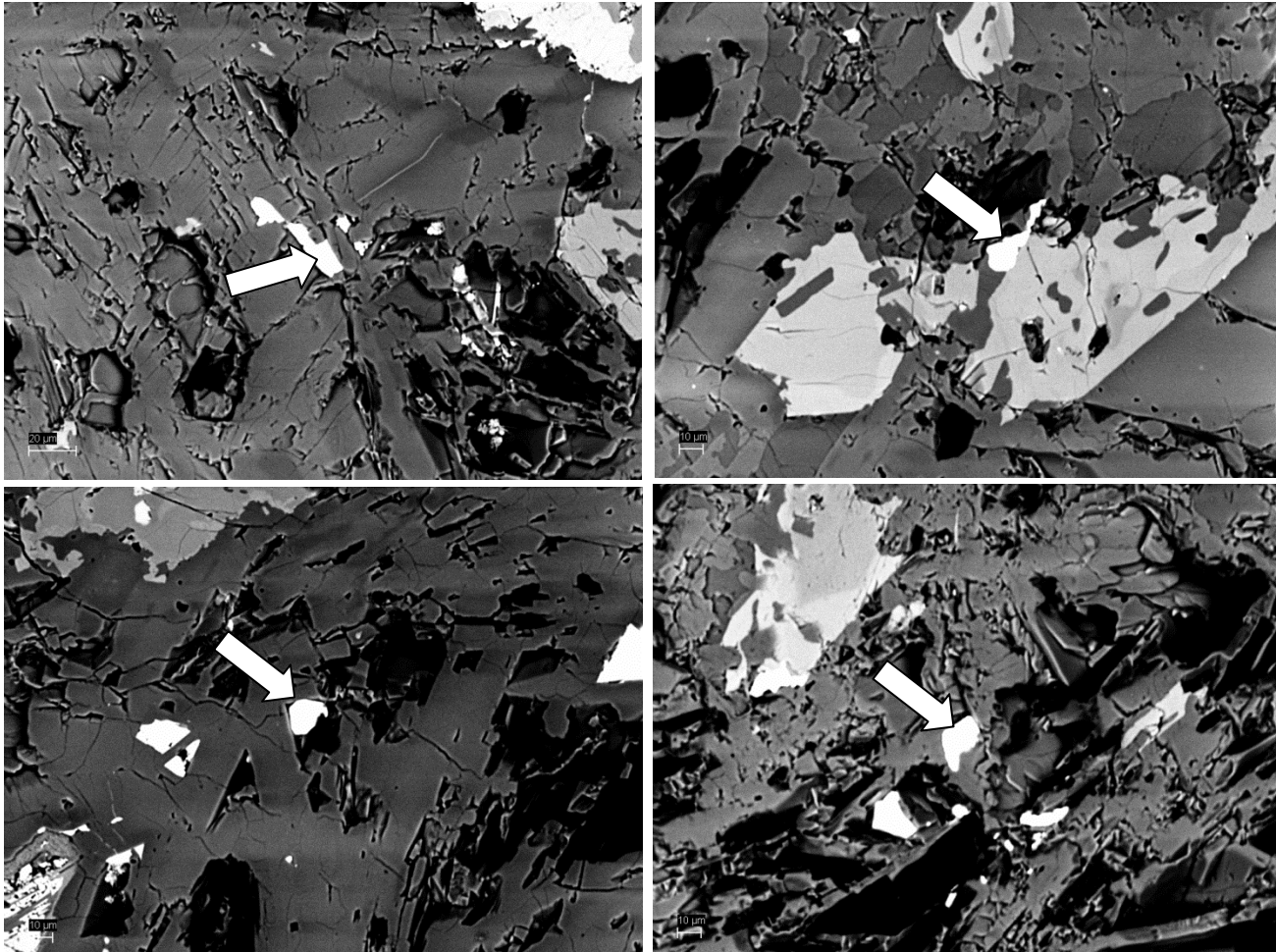
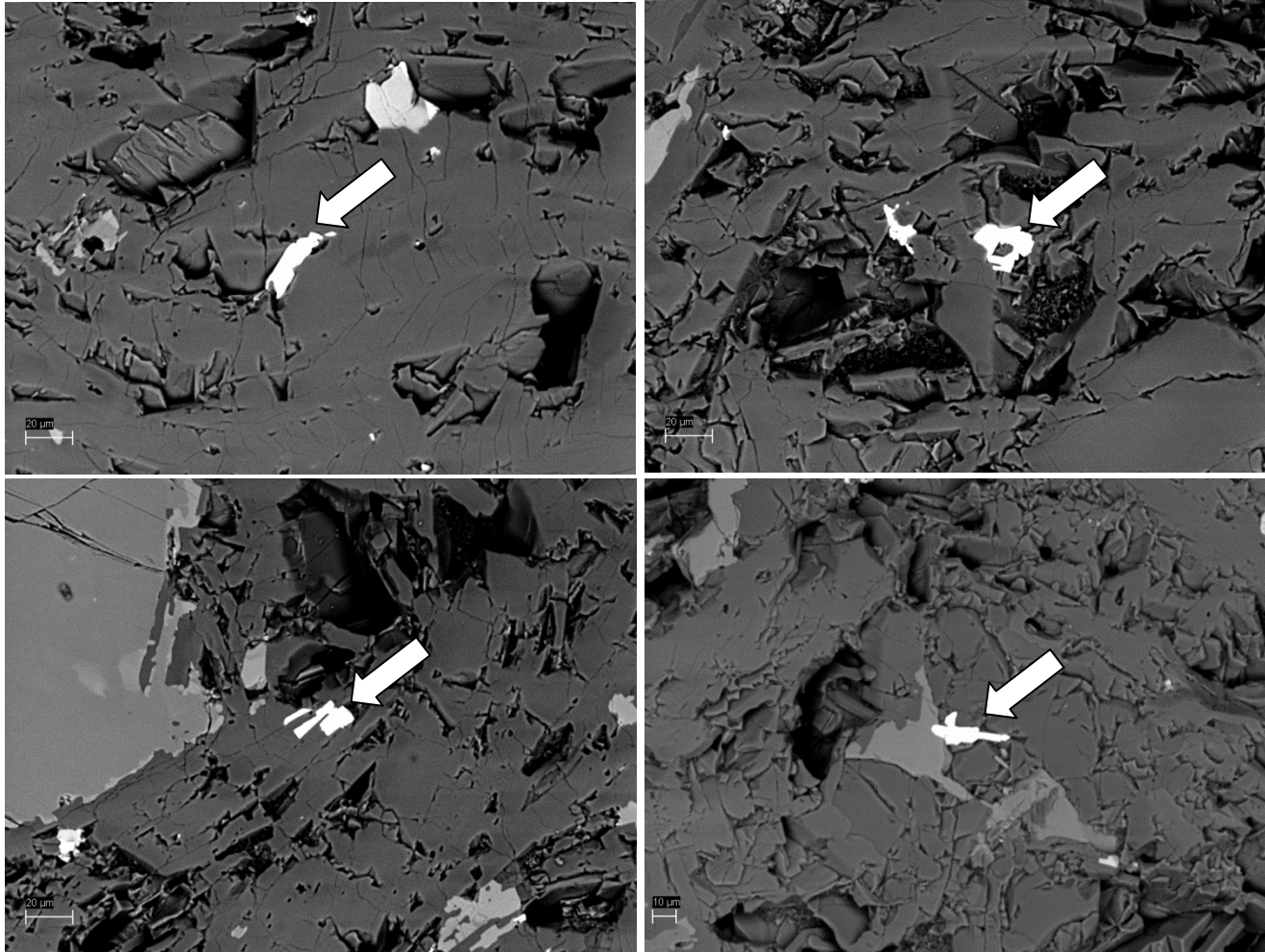


**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Accademia Dome)



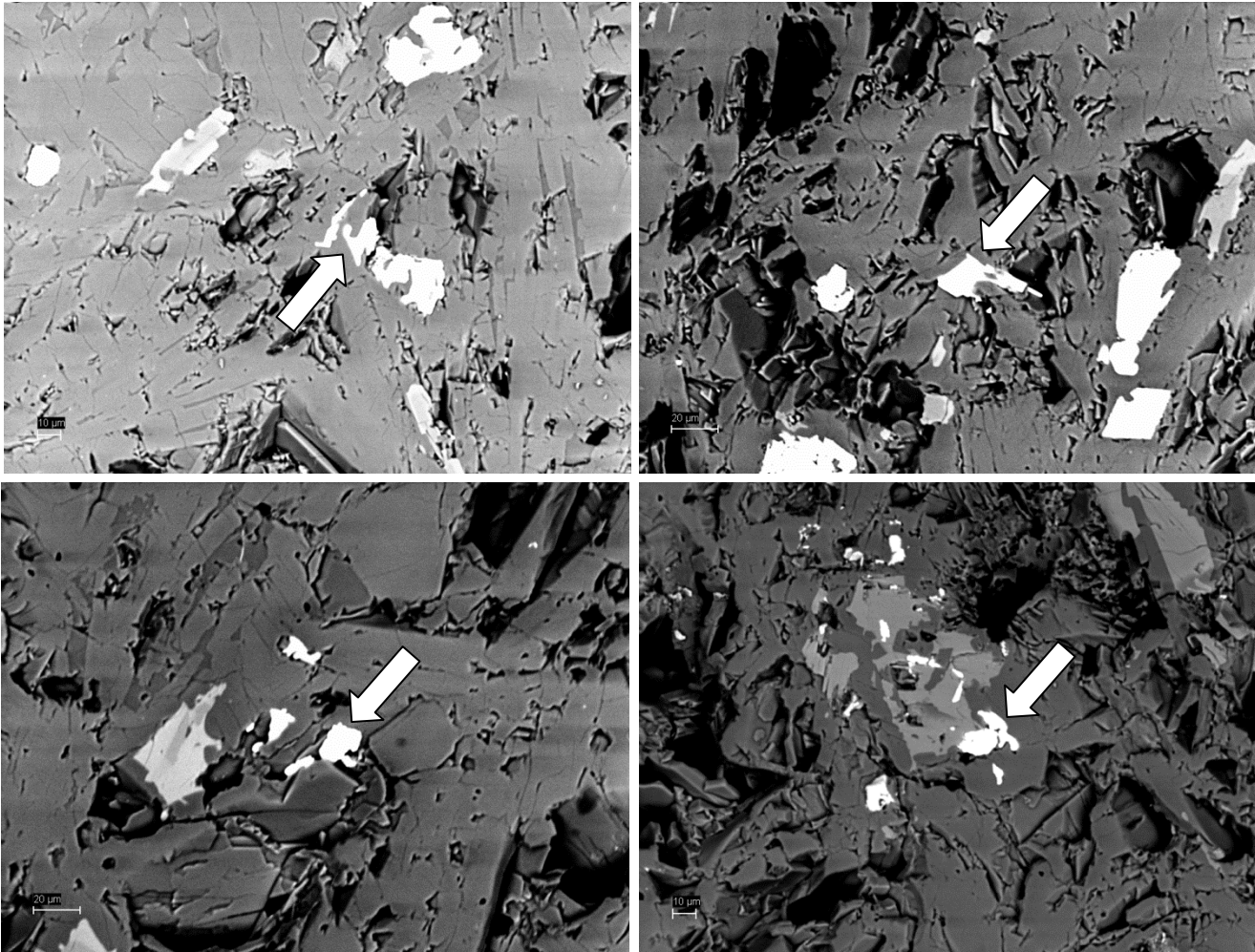
Upper left: ACC2\_1\_b47; Lower left: ACC2\_1\_b55; Upper right: ACC2\_1\_b52; Lower right: ACC2\_2\_b41

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Accademia Dome)



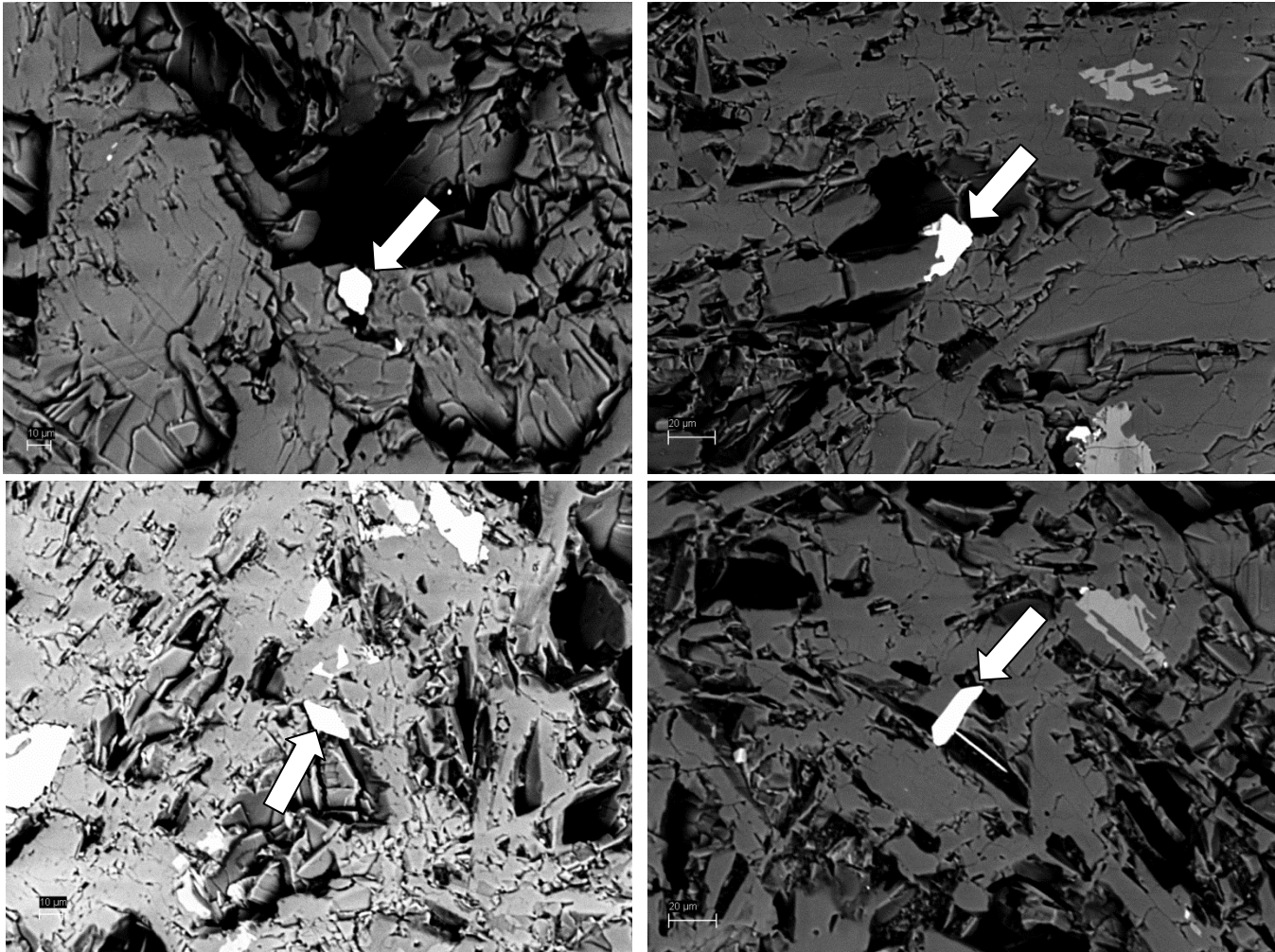
Upper left: ACC3\_1\_b30; Lower left: ACC3\_1\_b27; Upper right: ACC3\_1\_b29; Lower right: ACC3\_1\_b47

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Accademia Dome)



Upper left: ACC2\_2\_b24; Lower left: ACC2\_2\_b6; Upper right: ACC2\_2\_b7; Lower right: ACC2\_2\_b11

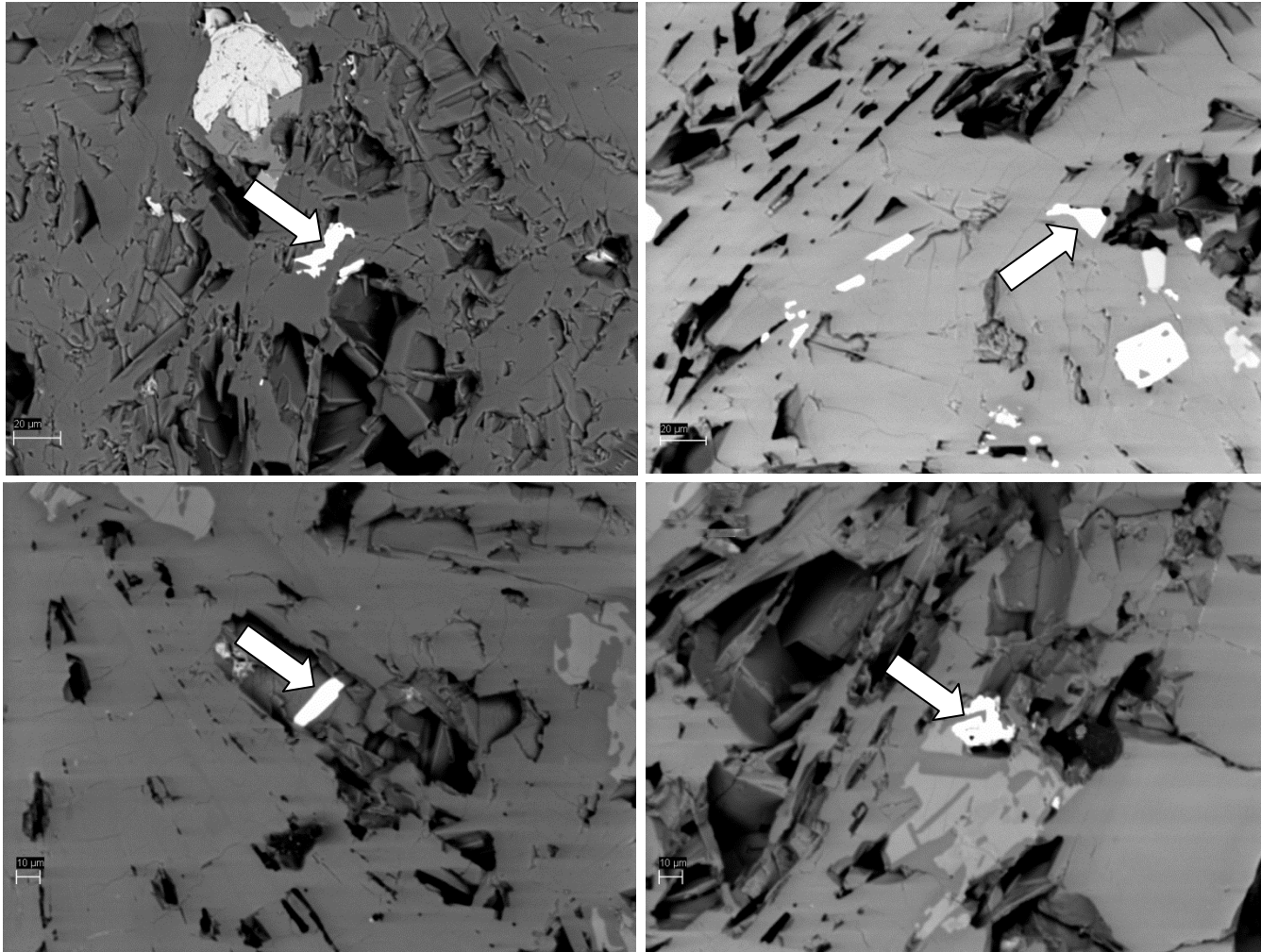
**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Accademia Dome)



Upper left: ACC2\_2\_b51; Lower left: ACC2\_2\_b31; Upper right: ACC3\_2\_b25; Lower right: ACC3\_2\_b28

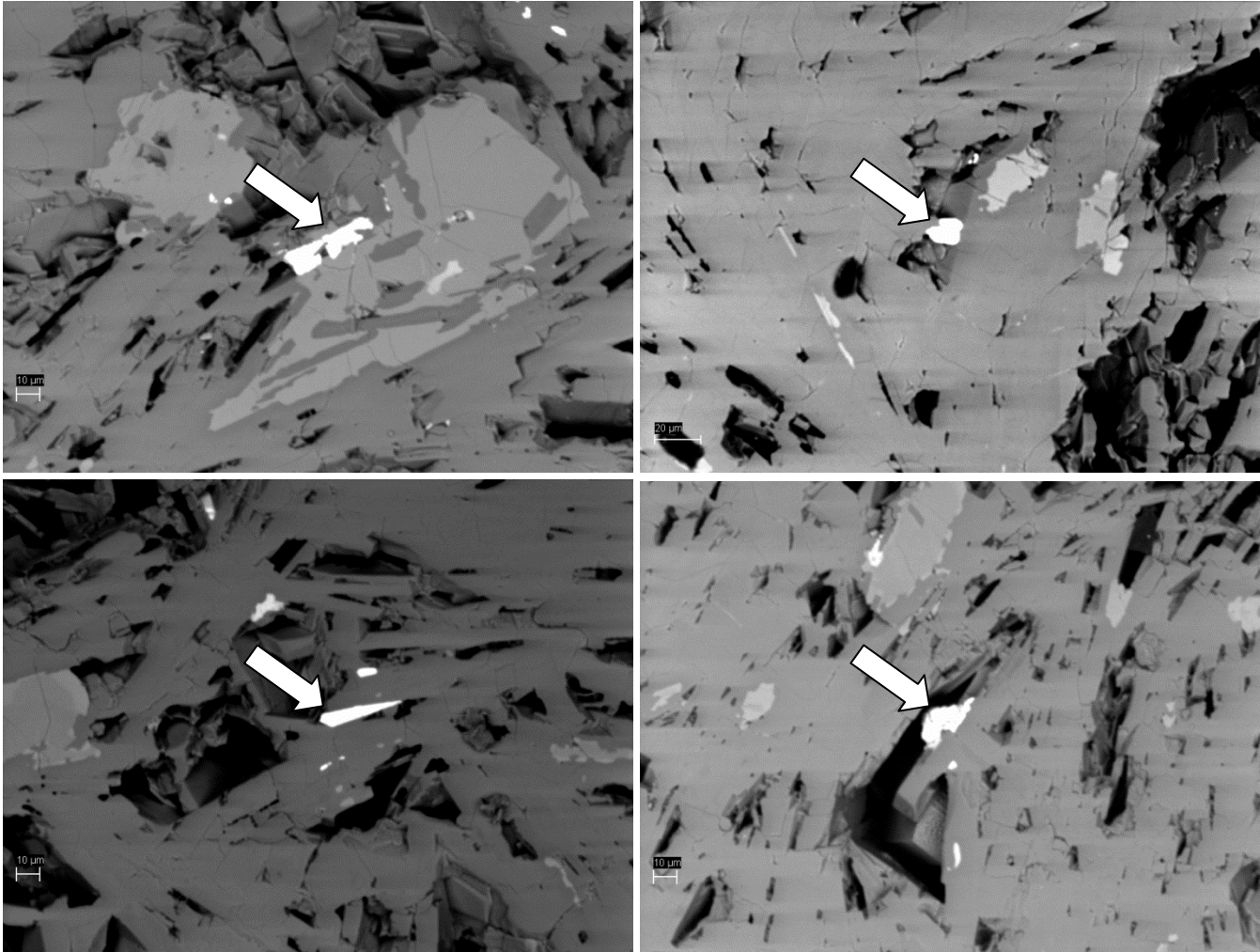


**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Accademia Dome)



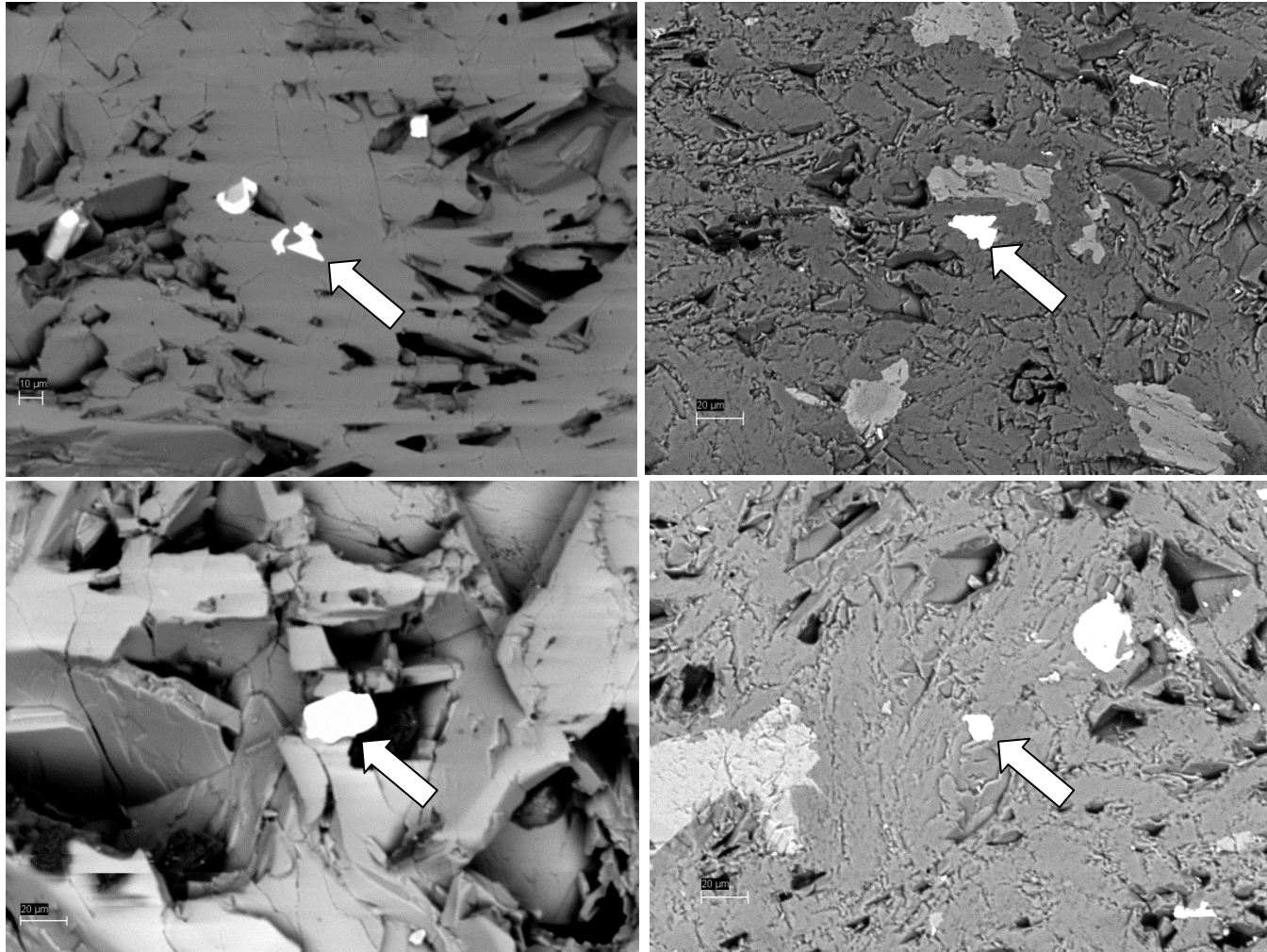
Upper left: ACC3\_2\_b36; Lower left: ACC4\_1\_b47; Upper right: ACC4\_1\_b5; Lower right: ACC4\_2\_b41

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Accademia Dome)



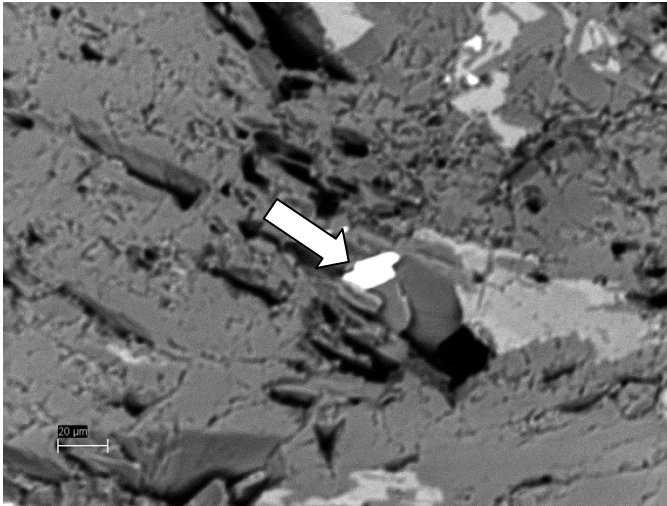
Upper left: ACC4\_2\_b36; Lower left: ACC4\_2\_b38; Upper right: ACC4\_2\_12; Lower right: ACC4\_2\_b43

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Accademia Dome)



Upper left: ACC4\_2\_b44; Lower left: ACC4\_2\_b9; Upper right: ACC\_25; Lower right: ACC\_23

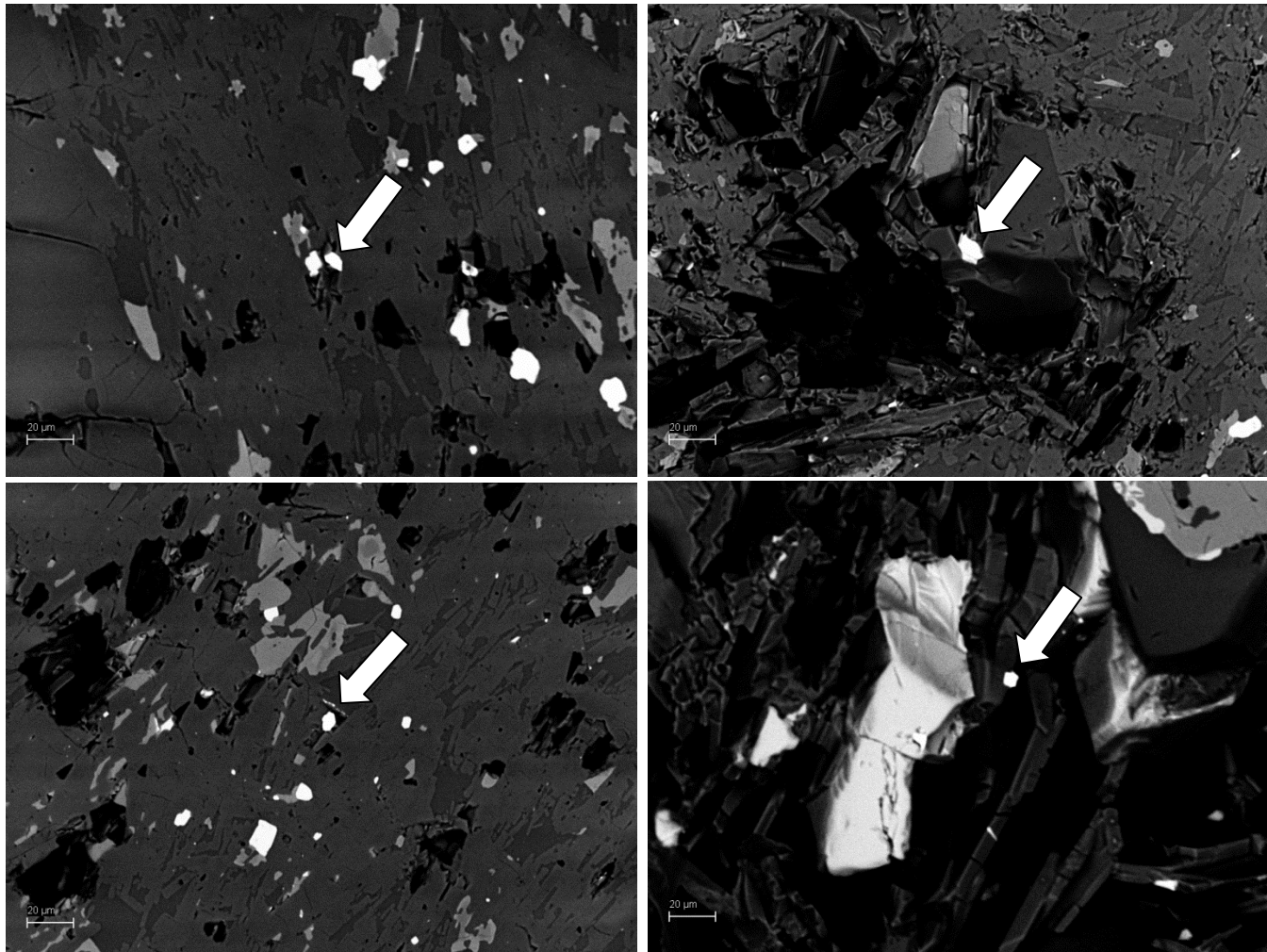
**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Accademia Dome)



ACC\_16

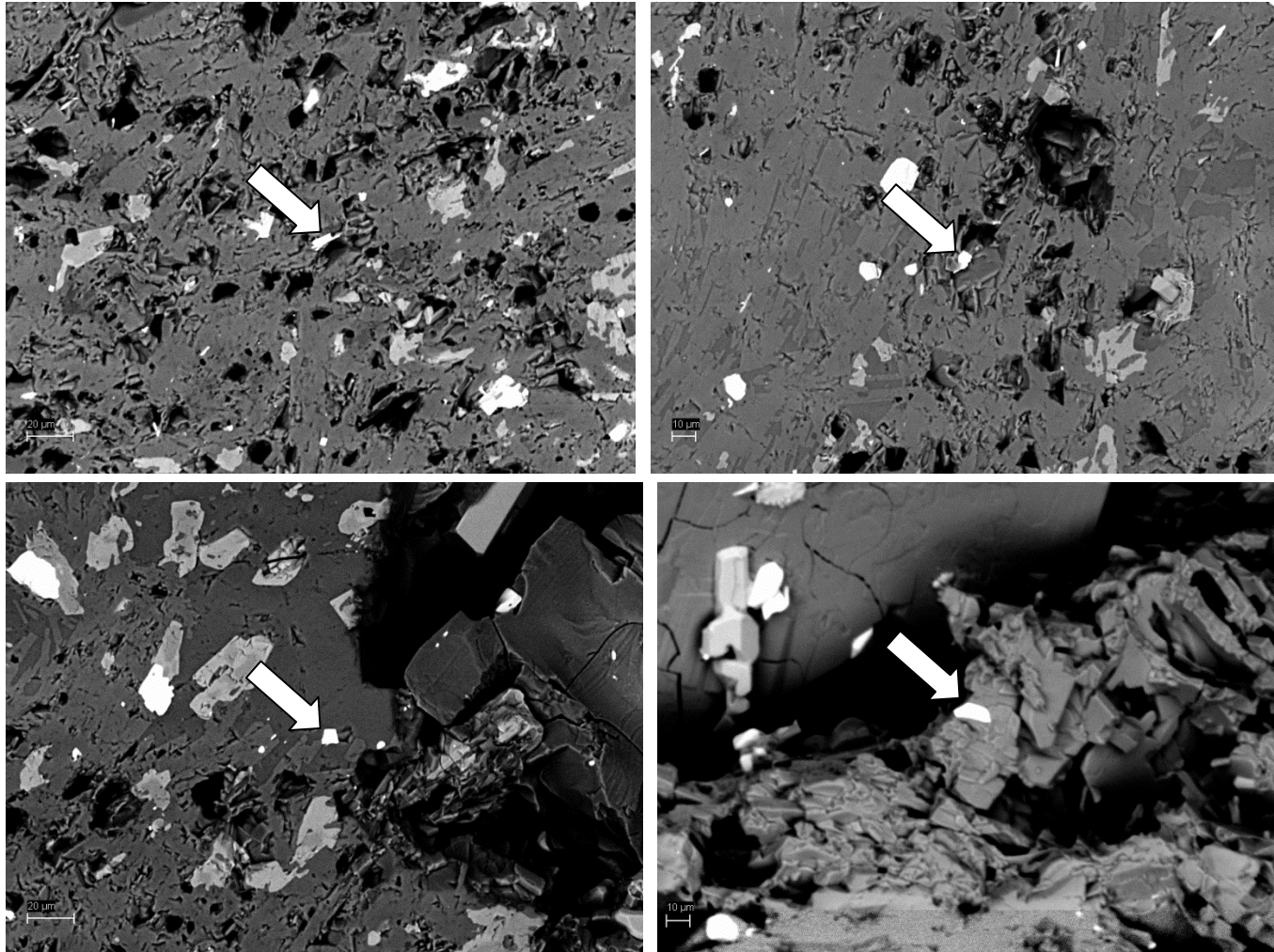


**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Punta Marmolite Dome)



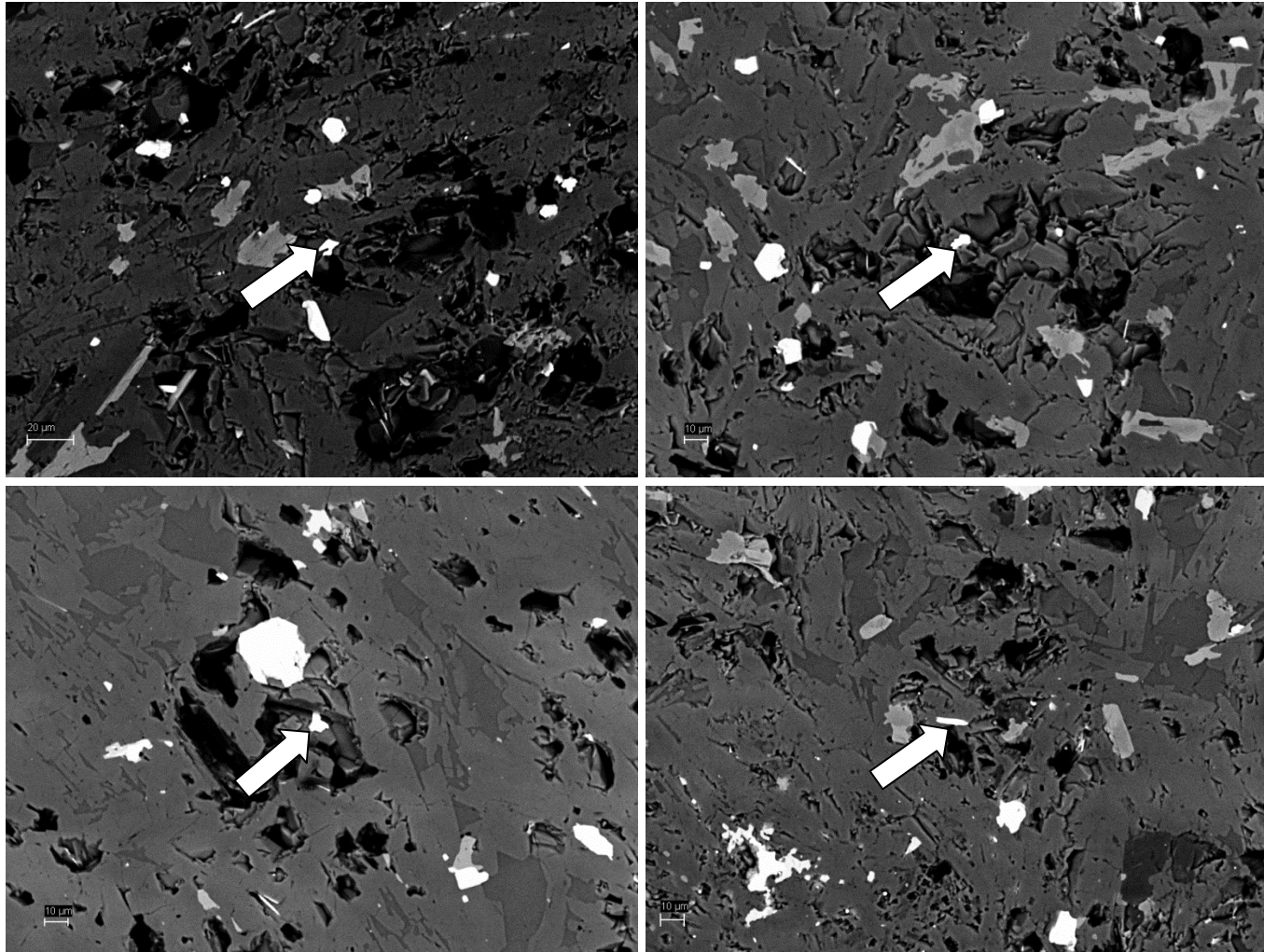
Upper left: PM3\_1\_14; Lower left: PM3\_1\_1; Upper right: PM3\_1\_7; Lower right: PM3\_1\_15

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Punta Marmolite Dome)



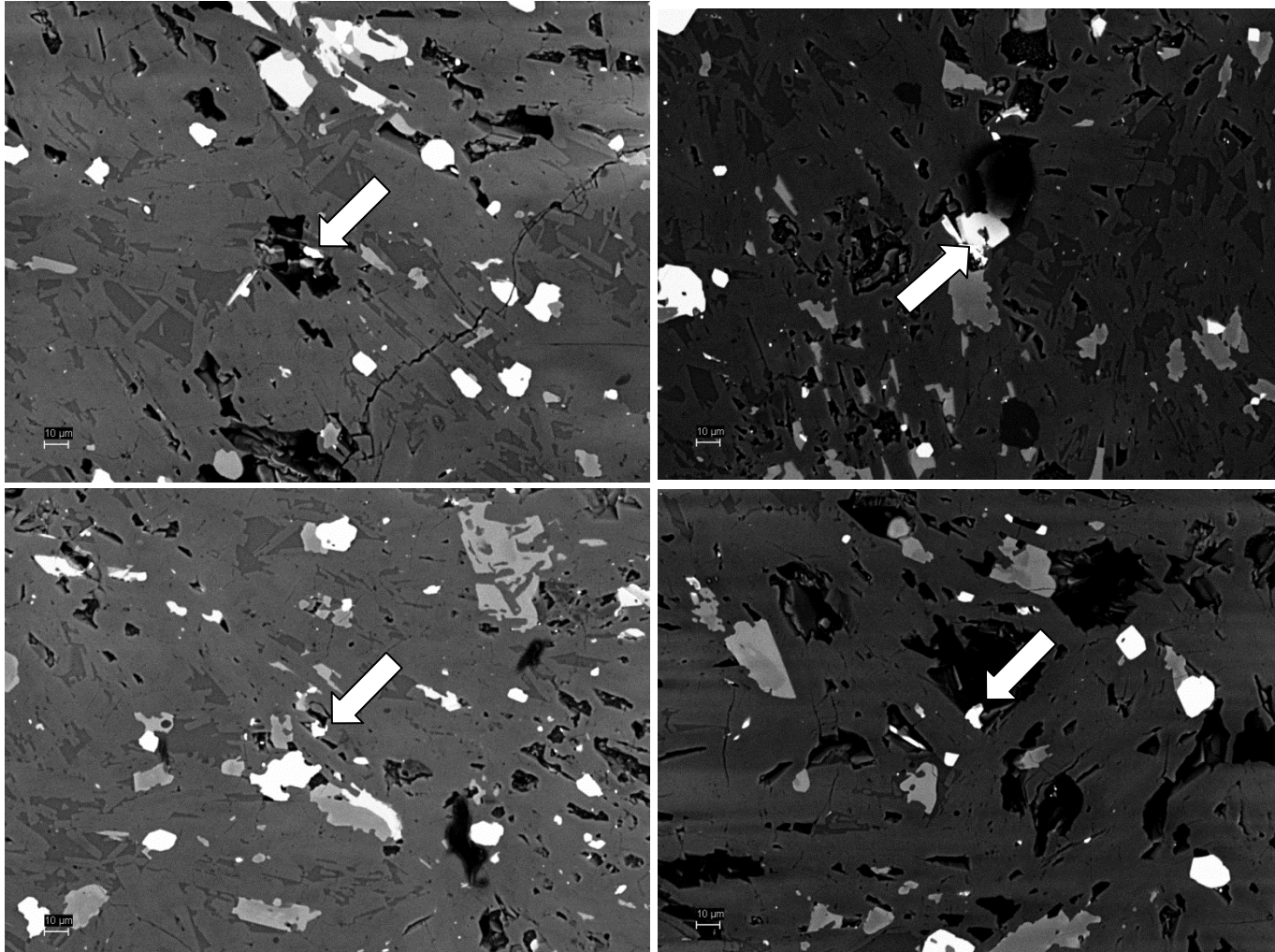
Upper left: PM3\_2\_9; Lower left: PM3\_2\_12; Upper right: PM3\_2\_8; Lower right: PM1\_2

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Punta Marmolite Dome)



Upper left: PM3\_2\_10; Lower left: PM4\_1\_4; Upper right: PM4\_1\_9; Lower right: PM4\_1\_19

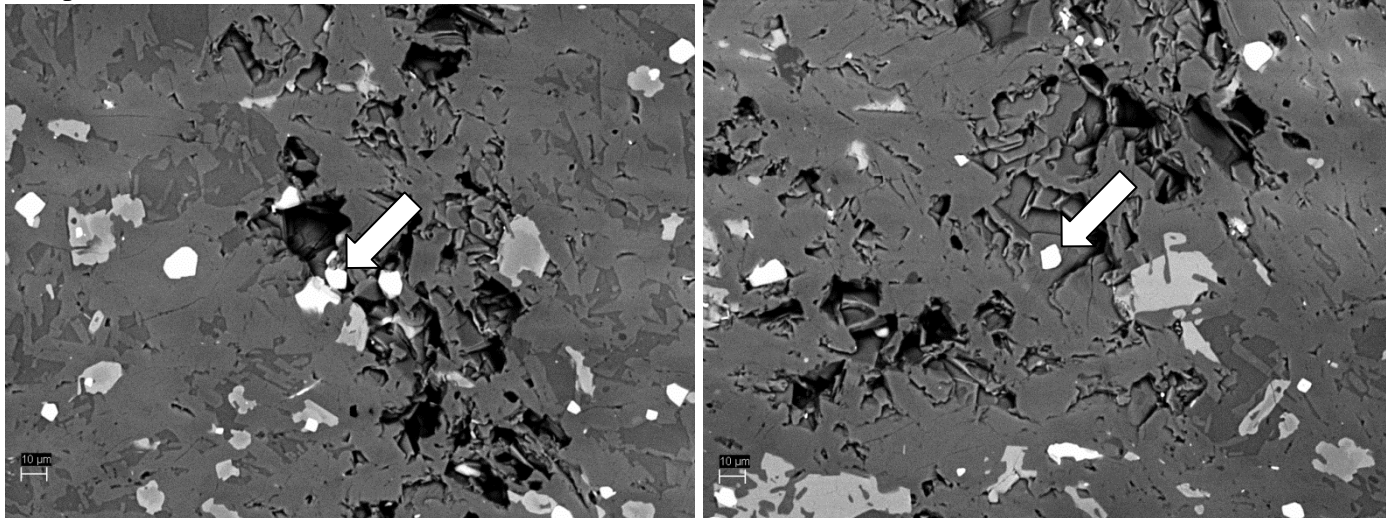
**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Punta Marmolite Dome)



Upper left: PM4\_2\_2; Lower left: PM4\_2\_3; Upper right: PM4\_2\_11; Lower right: PM4\_2\_8

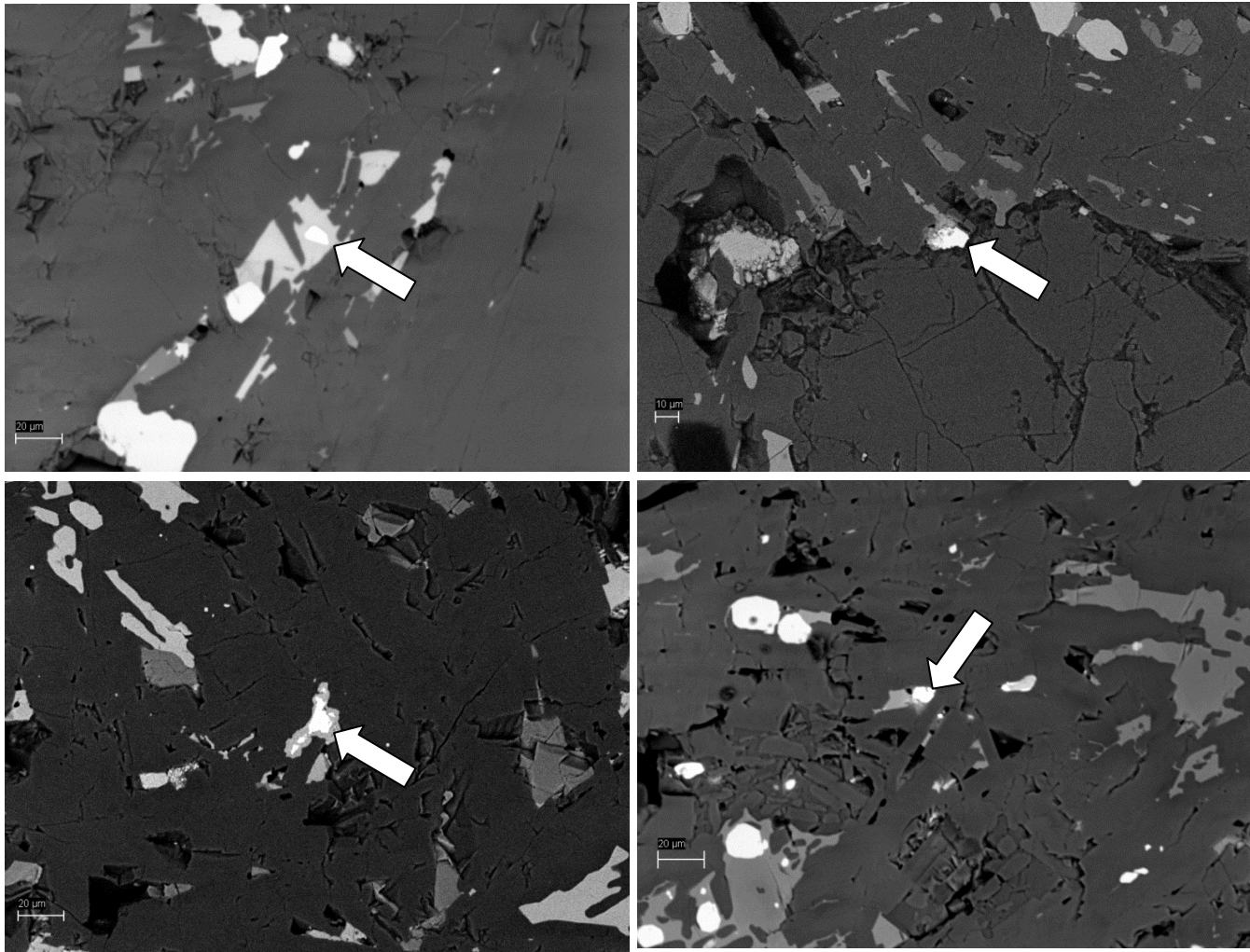


**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Punta Marmolite Dome)



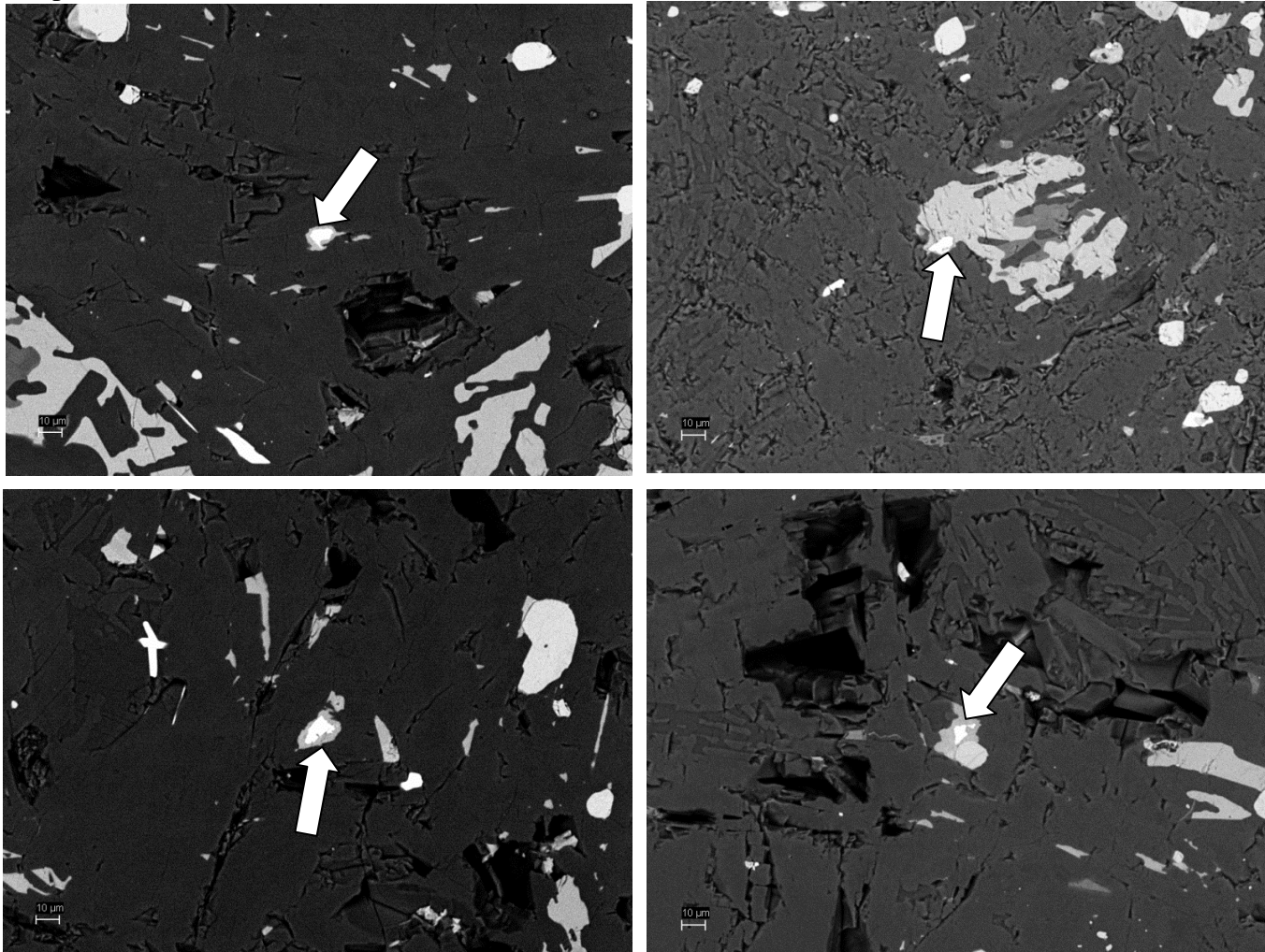
Left: PM4\_2\_16; Right: PM4\_2\_17

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Cuma Dome)



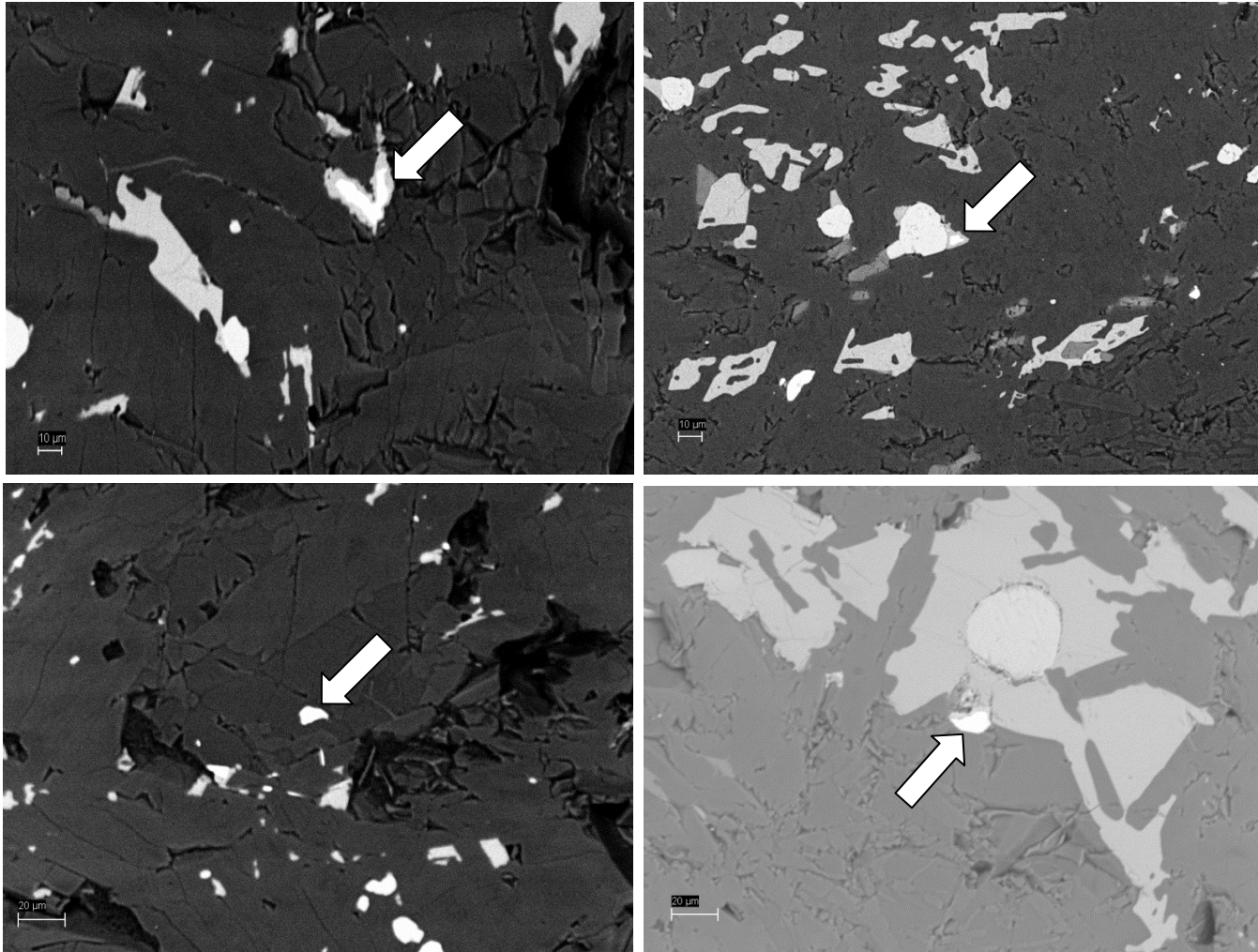
Upper left: Cuma\_1\_1; Lower left: Cuma\_3\_1; Upper right: Cuma\_3\_3; Lower right: Cuma\_1\_2

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Cuma Dome)



Upper left: Cuma\_4\_2; Lower left: Cuma\_4\_3; Upper right: Cuma\_5\_3; Lower right: Cuma\_5\_2

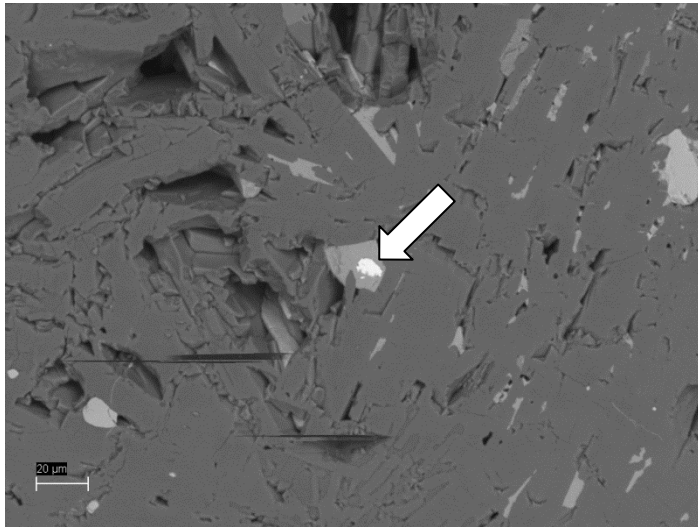
**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Cuma Dome)



Upper left: Cuma\_6\_2; Lower left: Cuma\_6\_1; Upper right: Cuma\_5\_1; Lower right: CUMA1\_badd

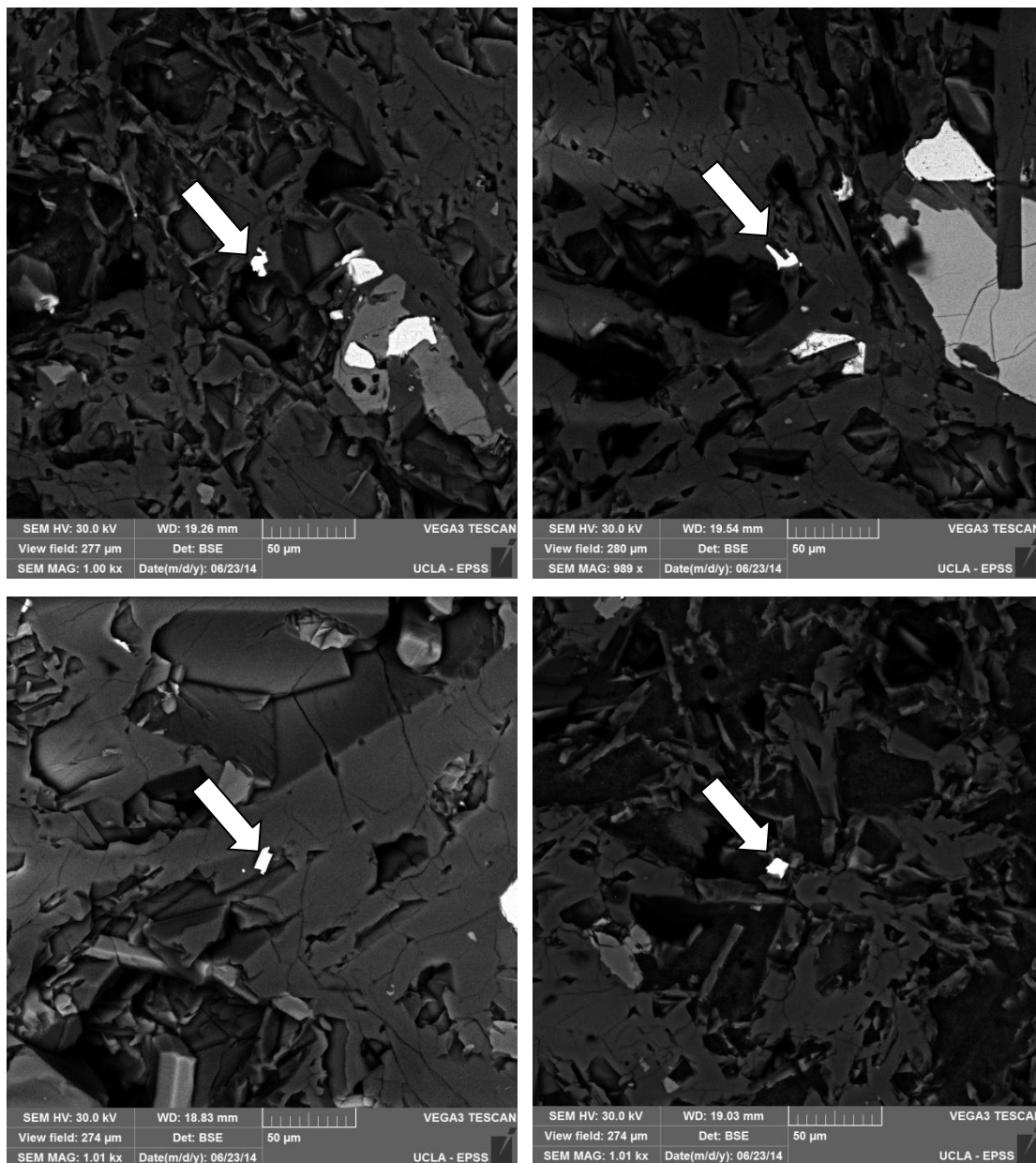


**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Cuma Dome)



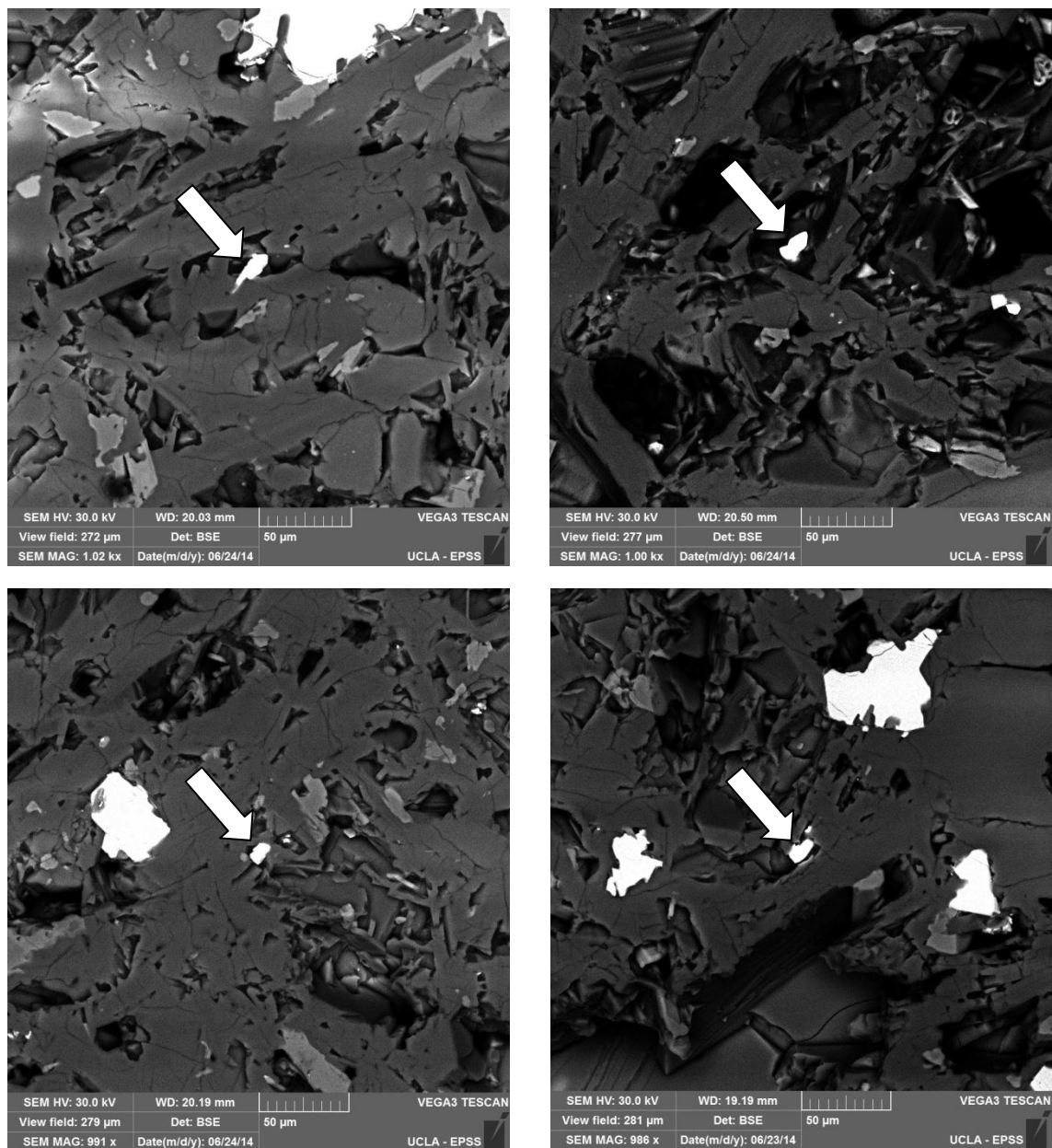
CUMA2\_badd

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Astroni Dome)



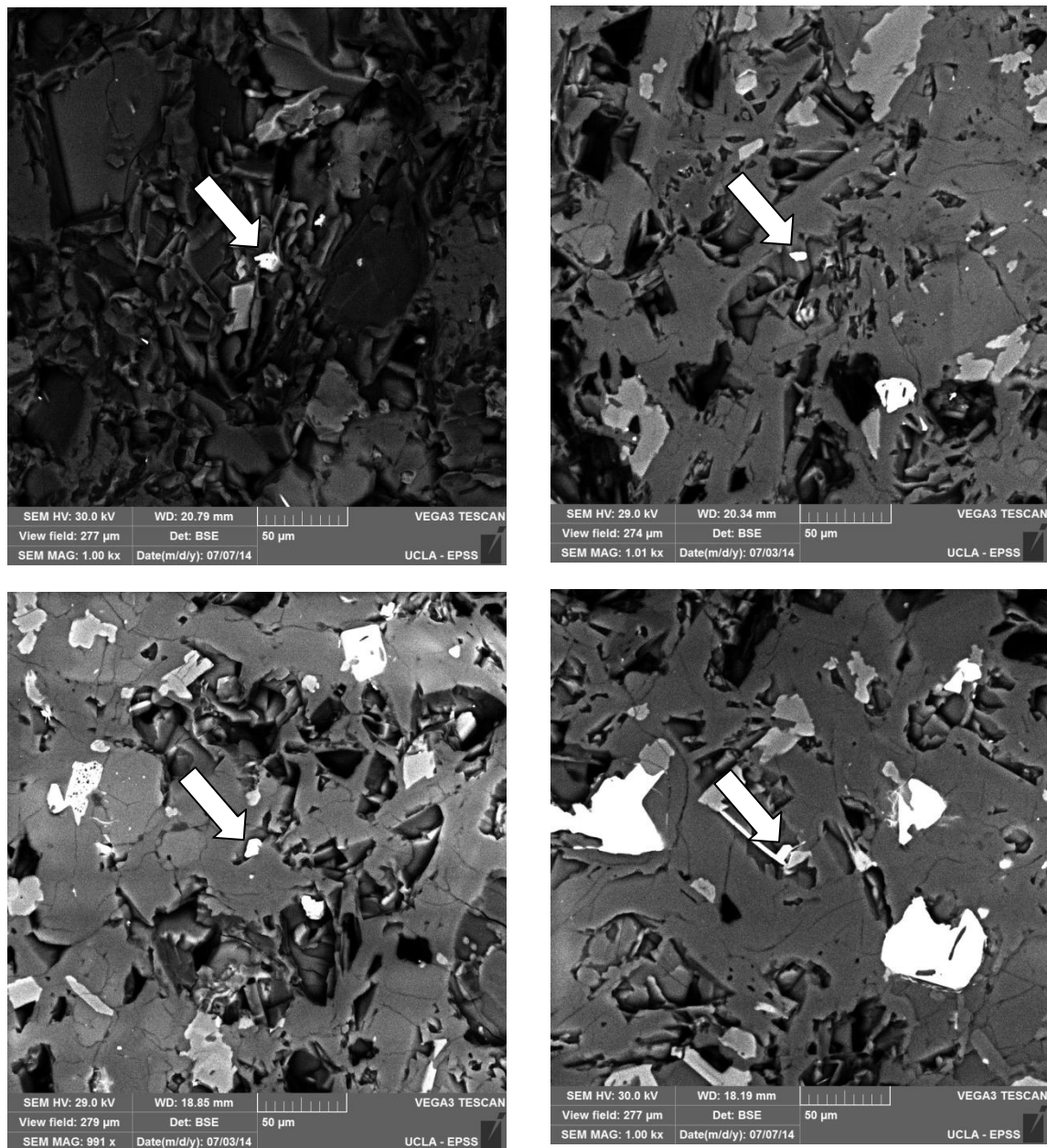
Upper left: AS\_1\_badd8; Lower left: AS\_1\_badd12; Upper right: AS\_1\_badd9;  
Lower right: AS\_1\_badd7

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Astroni Dome)



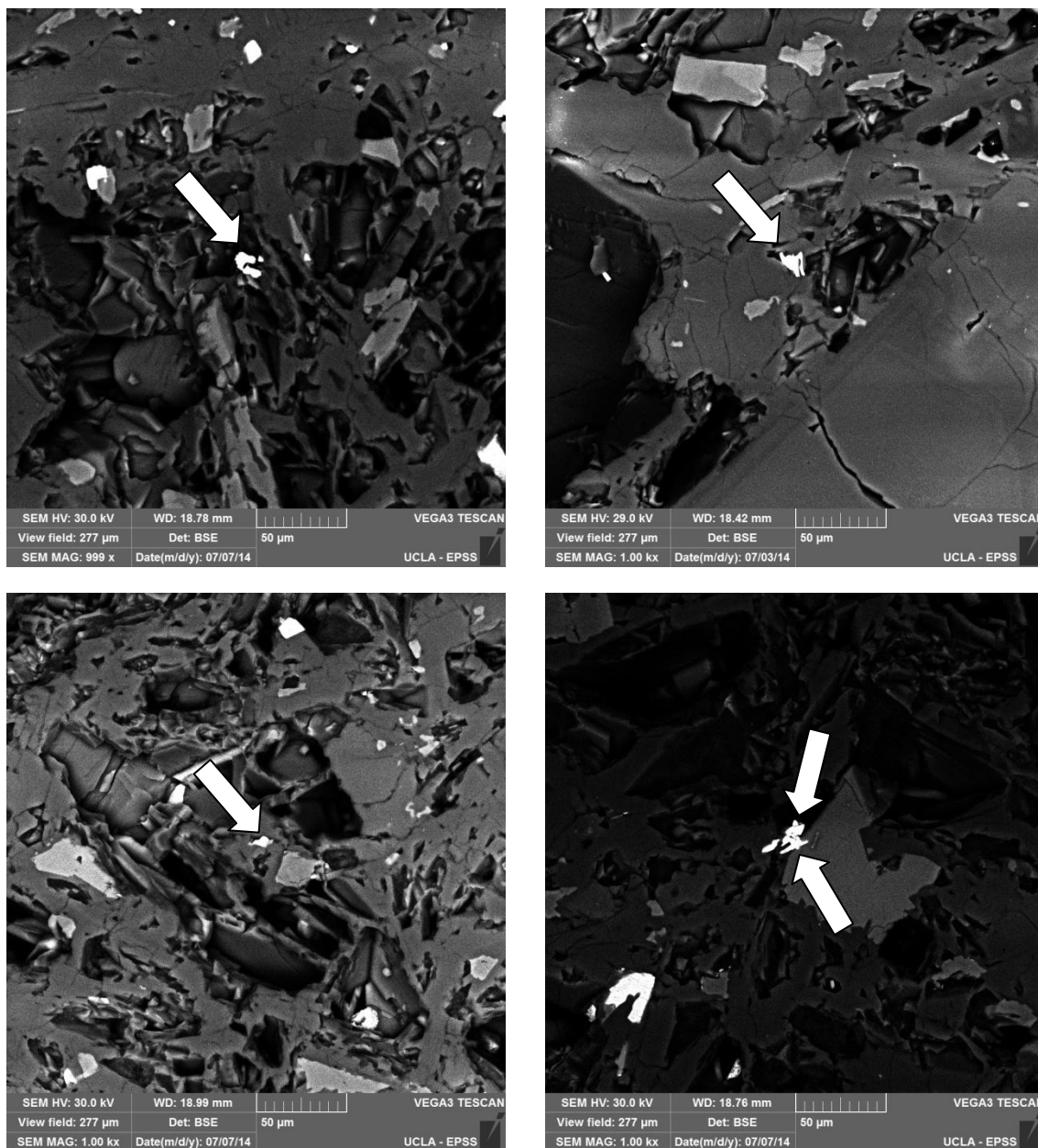
Upper left: AS\_1\_badd20; Lower left: AS\_1\_badd15; Upper right: AS\_1\_badd16;  
Lower right: AS\_1\_badd13

**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Astroni Dome)



Upper left: AS\_1\_6; Lower left: AS\_1\_badd3; Upper right: AS\_1\_5; Lower right: AS\_1\_badd10

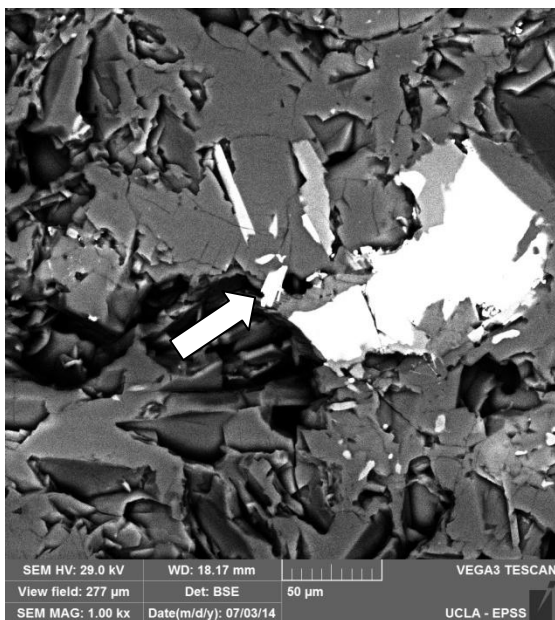
**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Astroni Dome)



Upper left: AS\_1\_1\_badd9; Lower left: AS\_1\_2\_badd8; Upper right: AS\_1\_2\_badd1;  
Lower right: AS\_1\_2\_badd7



**Supplementary Figure 1** Backscatter electron images of baddeleyite from Campi Flegrei lavas analyzed for U-Th isotopic compositions. (Astroni Dome)



AS\_1\_2\_badd4