

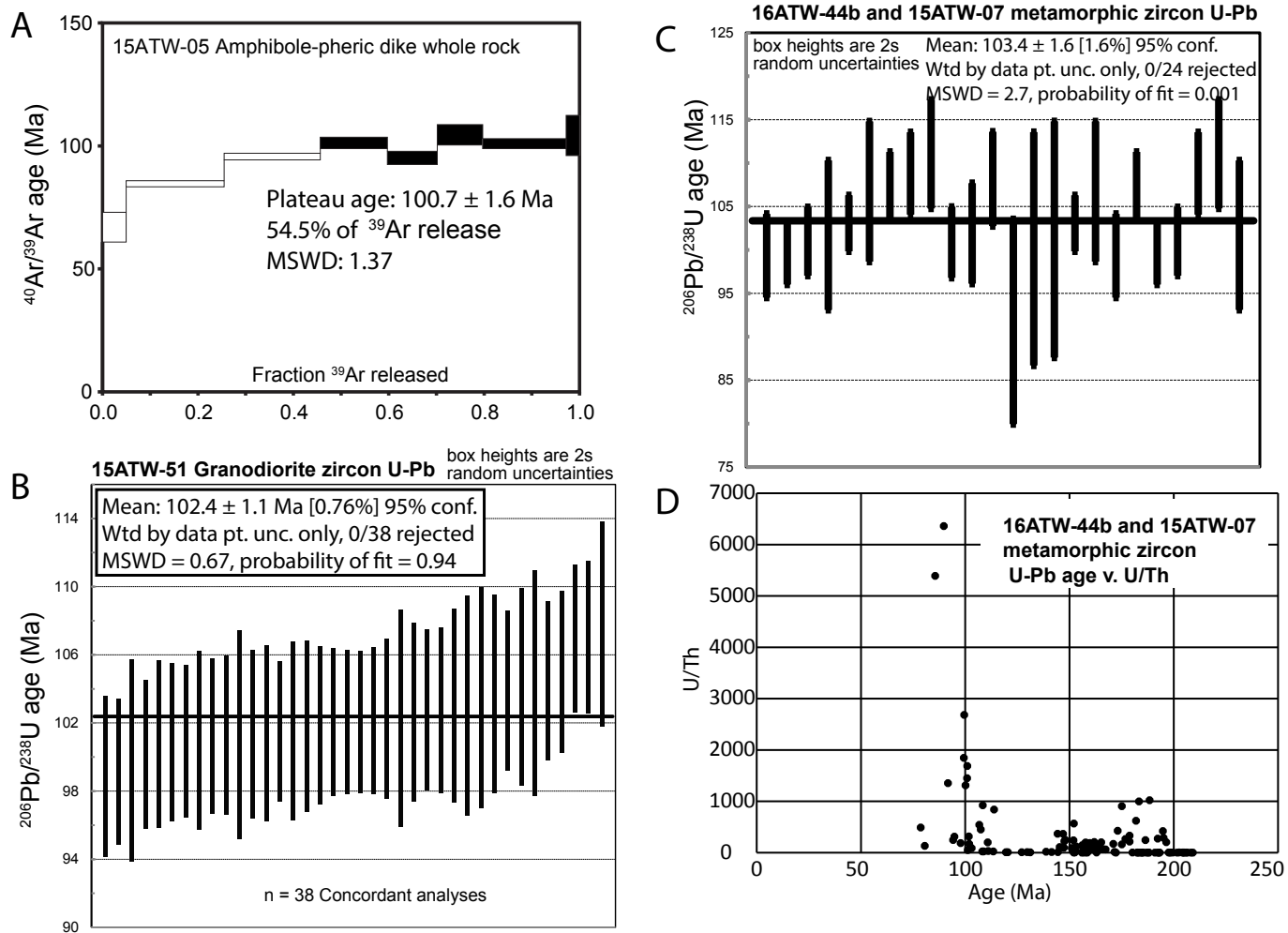


Figure S5-1– A: $^{40}\text{Ar}/^{39}\text{Ar}$ whole rock age spectrum for sample 15ATW-05 (amphibole dike in Broxson Gulch). Filled release steps define the plateau age. **B:** Weighted mean age of analyzed zircon grains from sample 15ATW-51 (granodiorite in Ann Creek). **C:** Weighted mean of ca. 100 Ma metamorphic zircon grains in samples 16ATW-44b and 15ATW-07. **D:** U/Th vs. age plot for Phanerozoic zircon grains in samples 16ATW-44b and 15ATW-07.

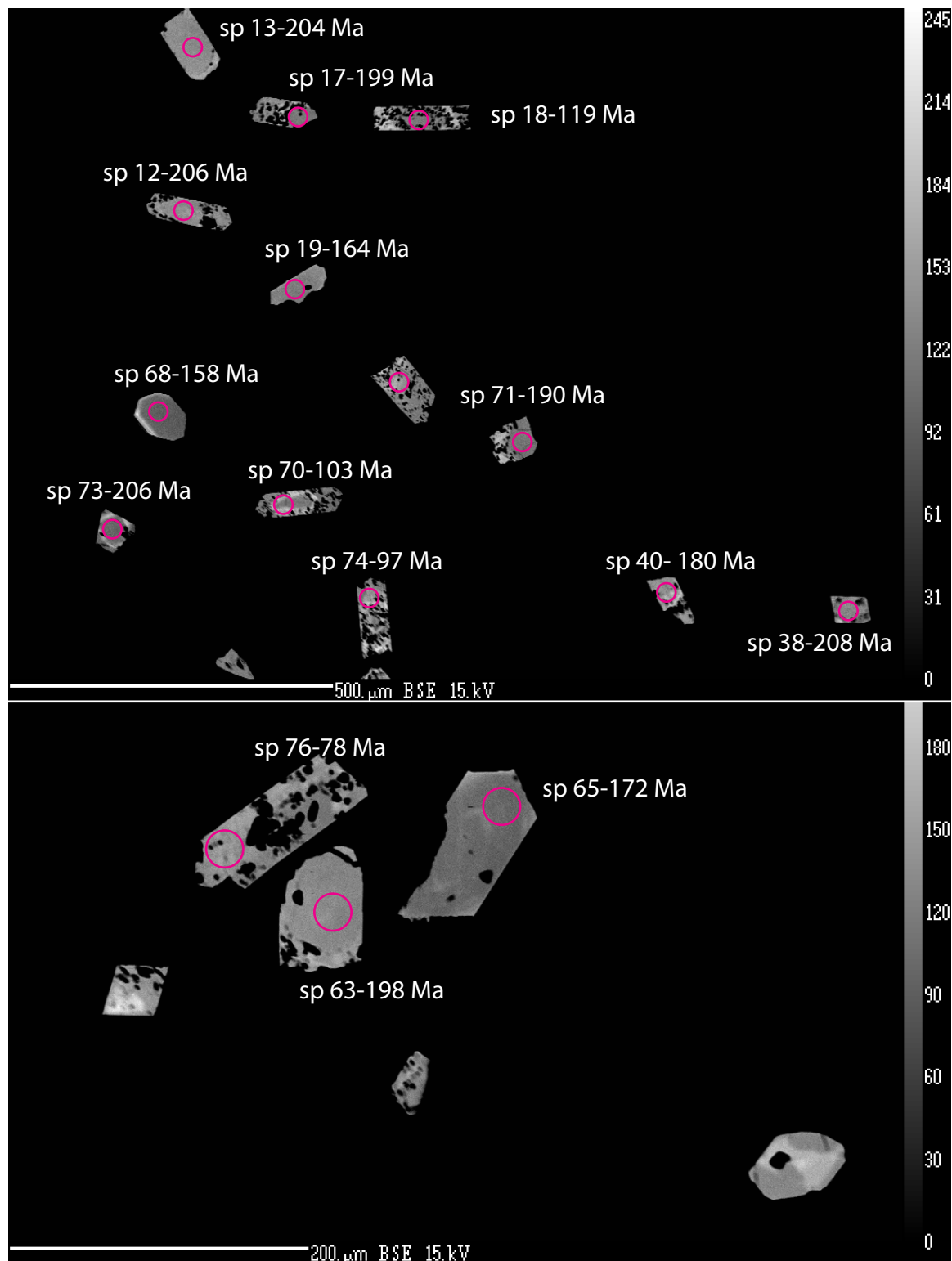


Figure S5-2– Backscatter electron maps of zircons in sample 16ATW-44b. Pink circles represent laser spot locations. The spot number (sp) and age of each spot are given next to each grain.