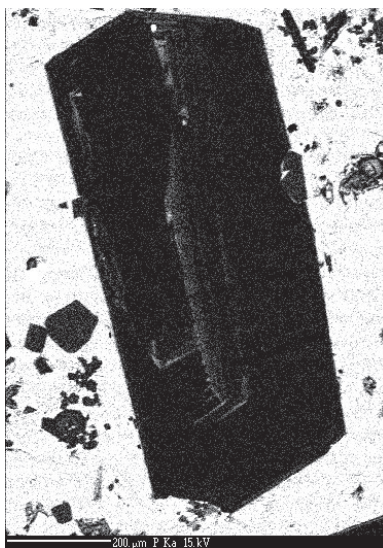
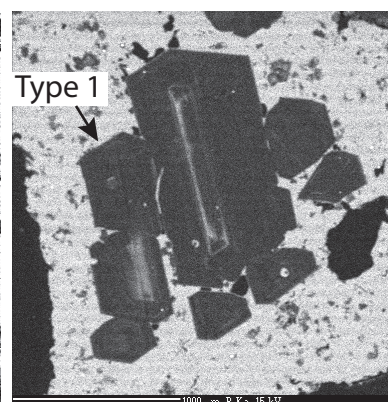


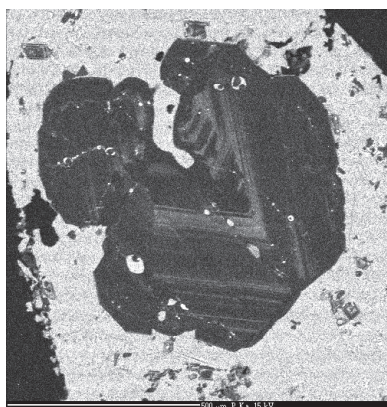
Iki-36-1 - Type 1



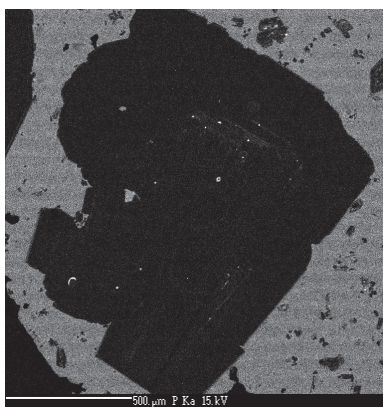
Iki-36-5 - Type 2



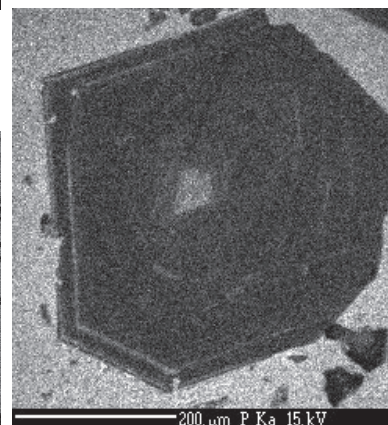
Iki-36-6 - Type 2



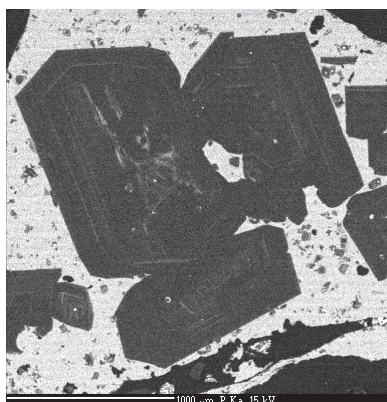
Iki-36-12 - Type 2



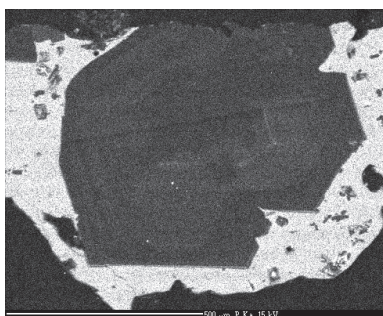
Iki-36-15 - Type 1



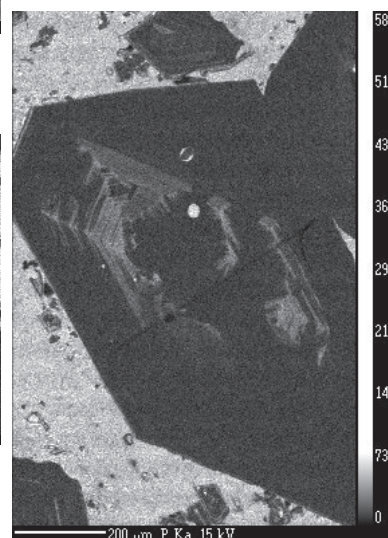
Iki-36-16 - Type 1



Iki-36-19 - Type 2



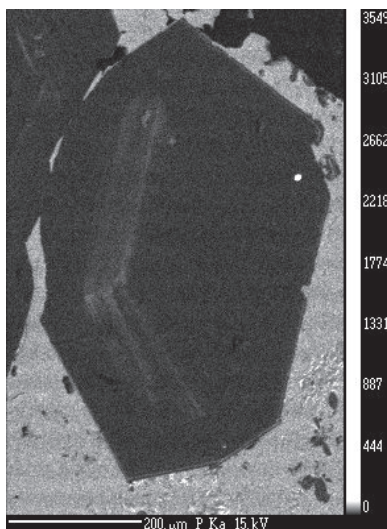
Iki-36-20 - Type 1



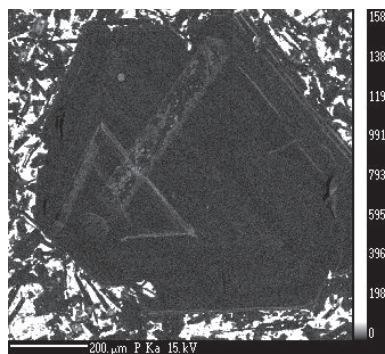
Iki-36-27 - Type 2

Figure S1. P X-ray maps of all crystals in Kilauea Iki samples. Olivine textural type is indicated, for images with multiple crystals, all crystals are the same type unless indicated.

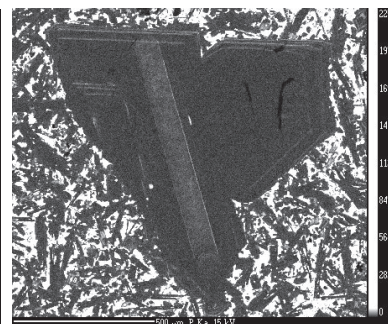




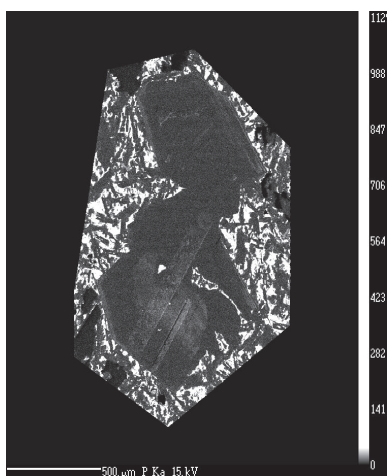
Iki-36-30 - Type 2



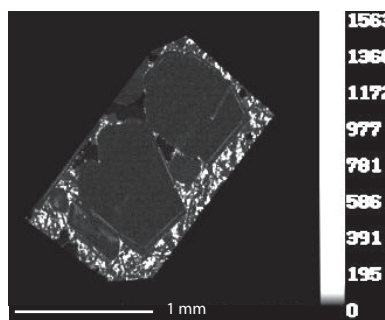
Iki-43-9 - Type 1



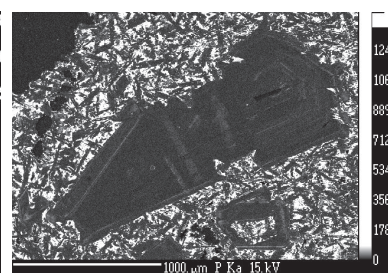
Iki-43-13 - Type 1



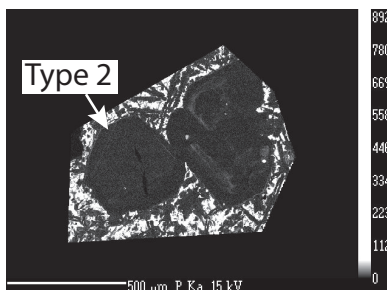
Iki-43-17 - Type 1



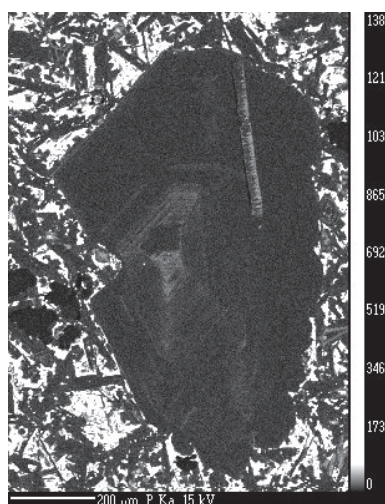
Iki-43-21 - Type 1



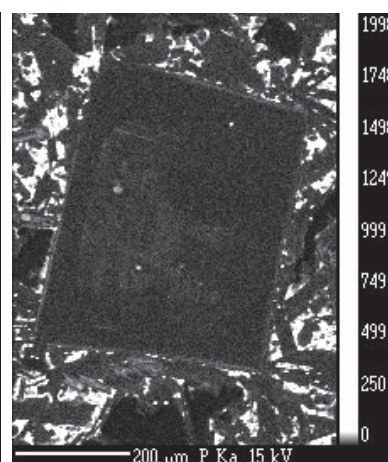
Iki-43-23 - Type 1



Iki-43-27 - Type 1



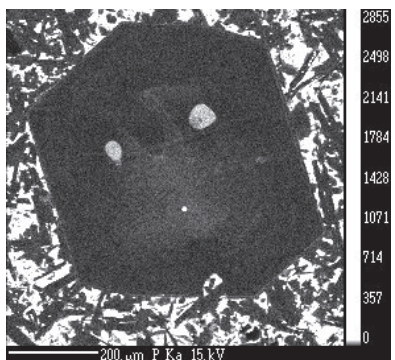
Iki-43-25 - Type 1



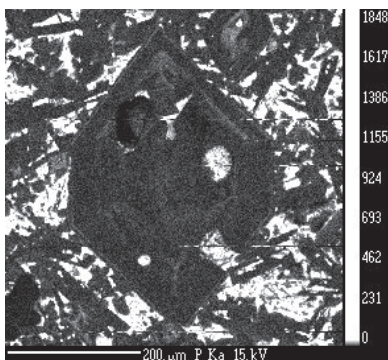
Iki-43-26 - Type 2

Figure S1. Continued.

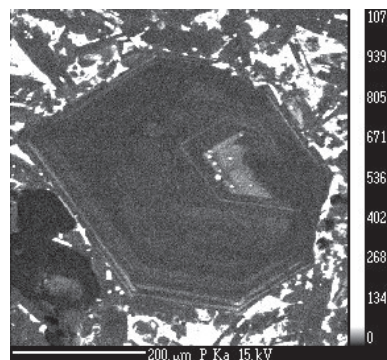




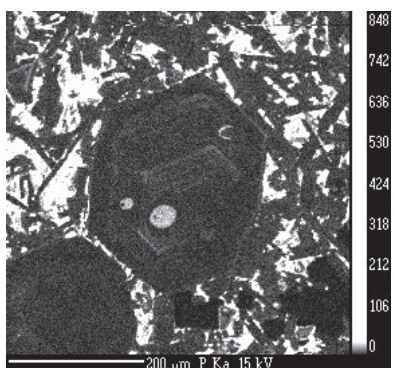
Iki-43-28 - Type 2



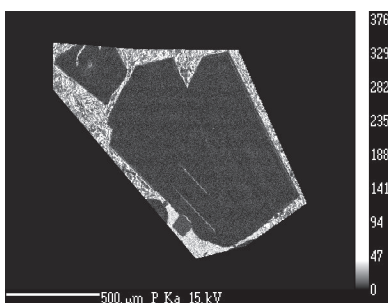
Iki-43-GM-1 - Type 2



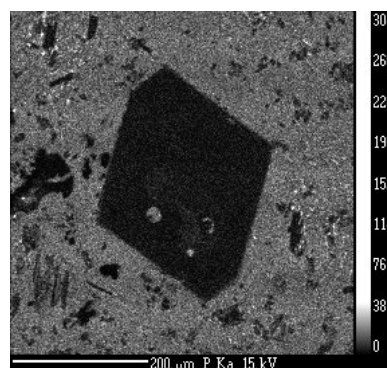
Iki-43-GM-2 - Type 2



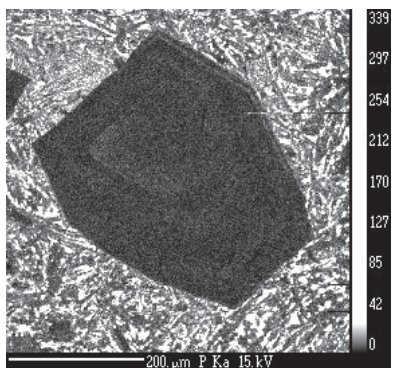
Iki-43-GM-3 - Type 2



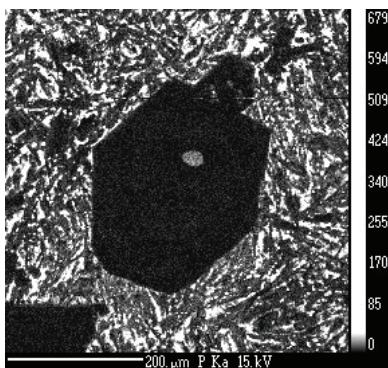
Iki-66-13 - Type 1



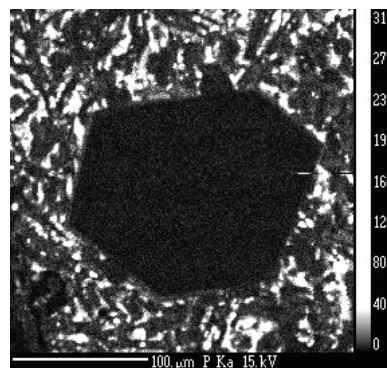
Iki-66-GM-1 - Type 2



Iki-66-GM-2 - Type 2



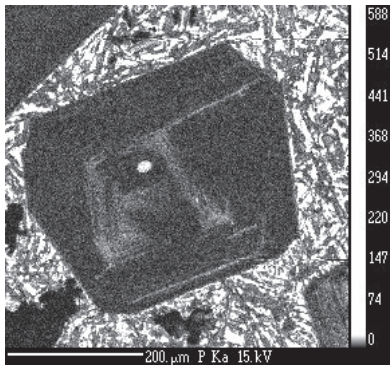
Iki-66-GM-3 - Type 2



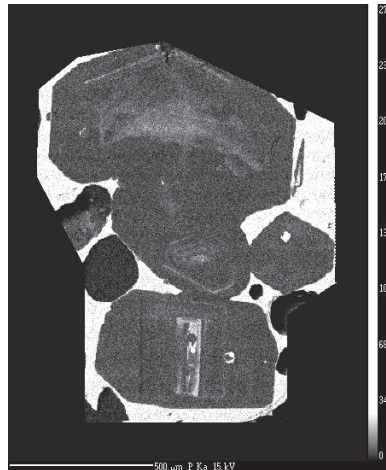
Iki-66-GM-4 - Type 2

Figure S1. Continued.

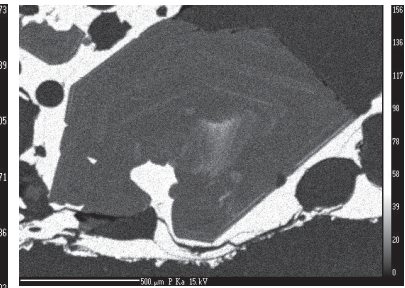




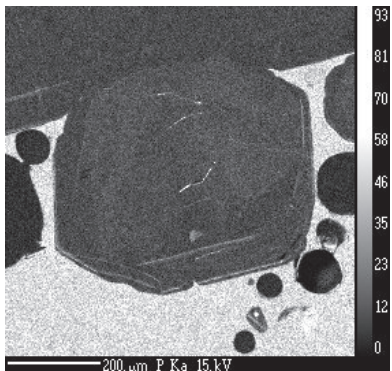
Iki-66-GM-5 - Type 2



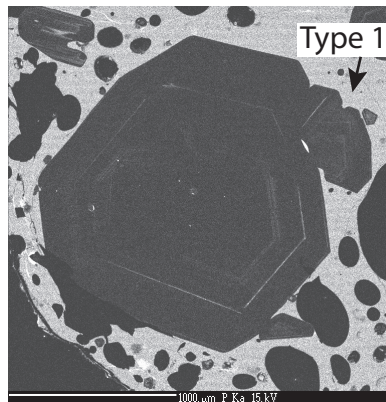
Iki-Scoria-1 - Type 2



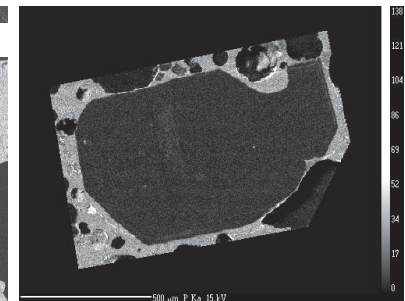
Iki-Scoria-2 - Type 1



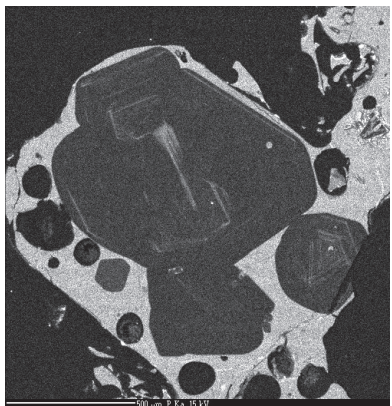
Iki-Scoria-3 - Type 1



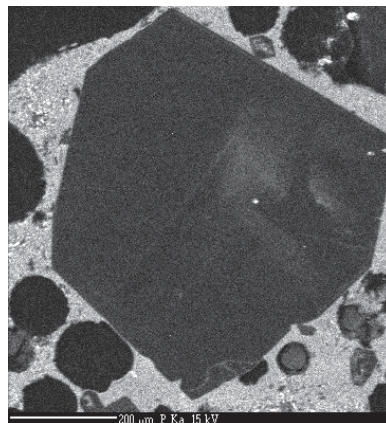
Iki-Scoria-5 - Type 2



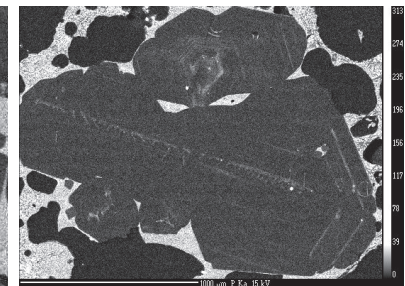
Iki-Scoria-7 - Type 1



Iki-Scoria-8 - Type 2



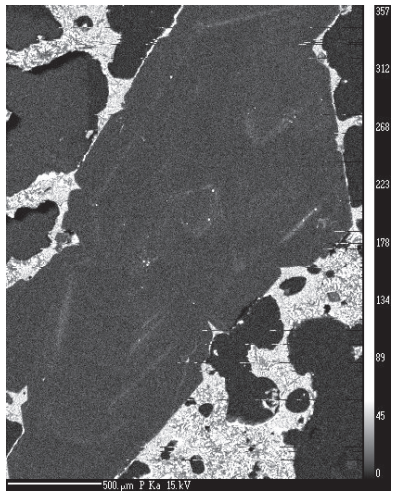
Iki-Scoria-10 - Type 2



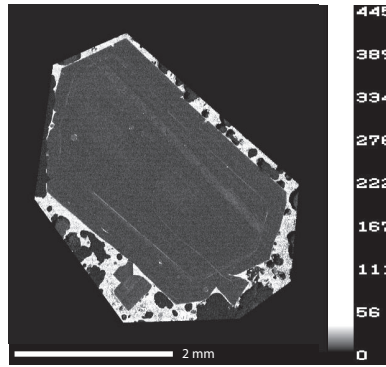
Iki-Scoria-14 - Type 1

Figure S1. Continued.

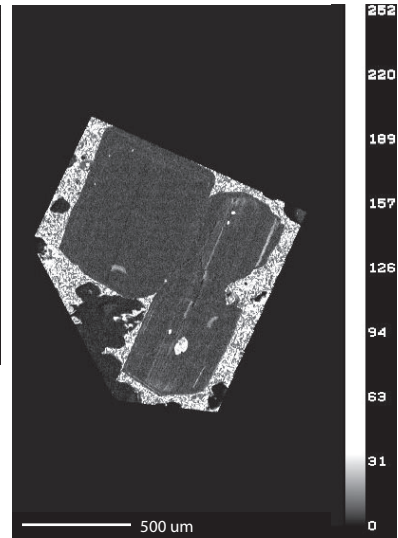




Iki-Scoria-15 - Type 1



Iki-Scoria-18 - Type 1



Iki-Scoria-35 - Type 1