

Electronic Appendix A. Supplementary Material

Title: A Coordinated Microstructural and Isotopic Study of a Wark-Lovering Rim on a Vigarano CAI

Authors: Jangmi Han, Lindsay P. Keller, Ming-Chang Liu, Andrew W. Needham, Andreas T. Hertwig, Scott Messenger, Justin I. Simon

Table EA1. Relative sensitivity factors determined on standards with known $^{27}\text{Al}/^{24}\text{Mg}$ for this study (errors 2σ).

	Burma Spinel	Madagascar hibonite	Pyroxene glass	Anorthite	Melilite glass
RSF	1.37±0.01	1.34±0.02	1.25±0.01	1.20±0.04	1.00±0.01

Figure EA1. BSE images of the WL rim on the Vigarano CAI *Big Guy*. Locations of FIB sections are indicated. Abbreviations hereafter: hib = hibonite; pv = perovskite; sp = spinel; mel = melilite; an = anorthite; di = diopside; fo = forsterite.

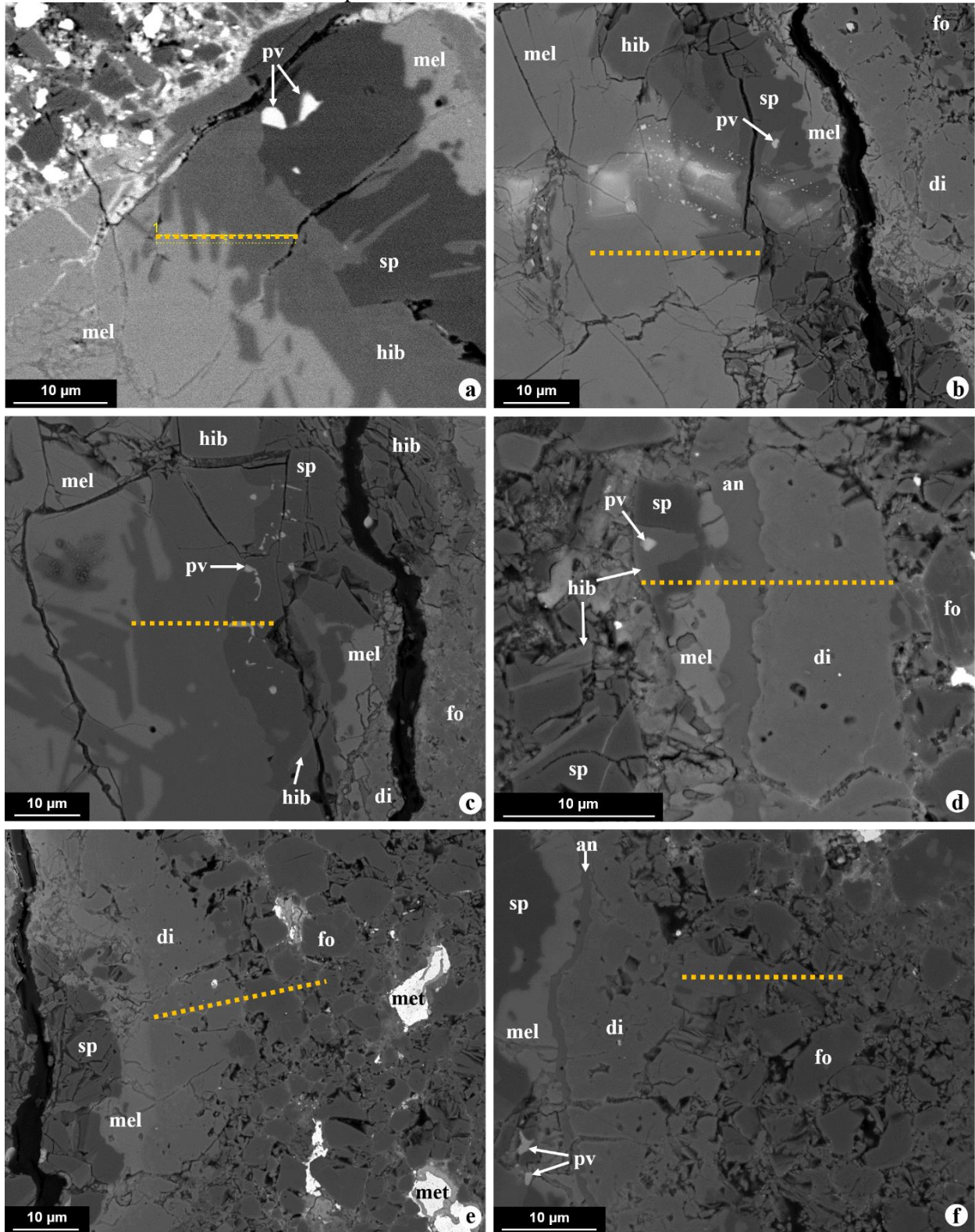


Figure EA2. BSE images of the WL rim on the Vigarano CAI *Big Guy*. Locations of NanoSIMS spots are indicated as red rectangles, whereas those of ims-1290 ion microprobe spots are indicated as yellow circles.

