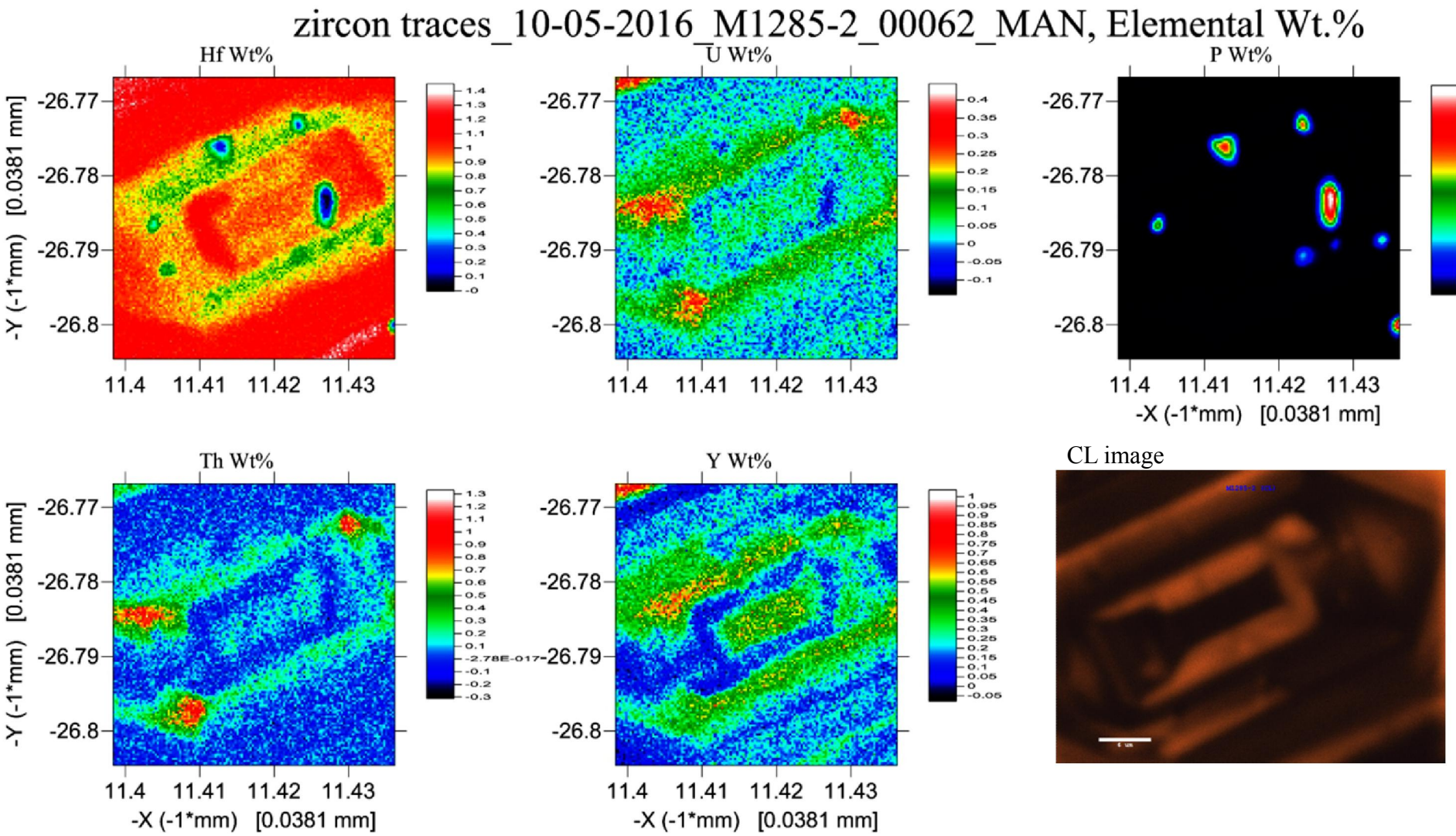


Supplementary material to the paper by Melnik and Bindeman

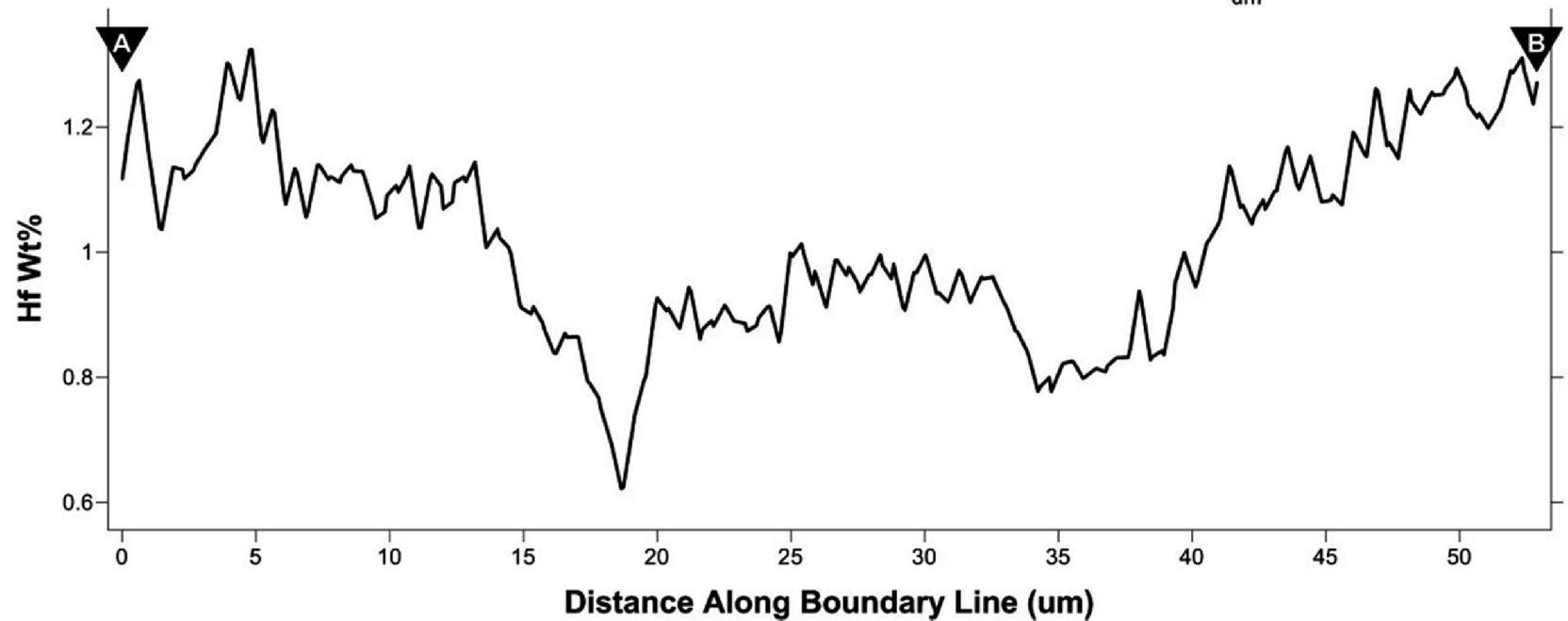
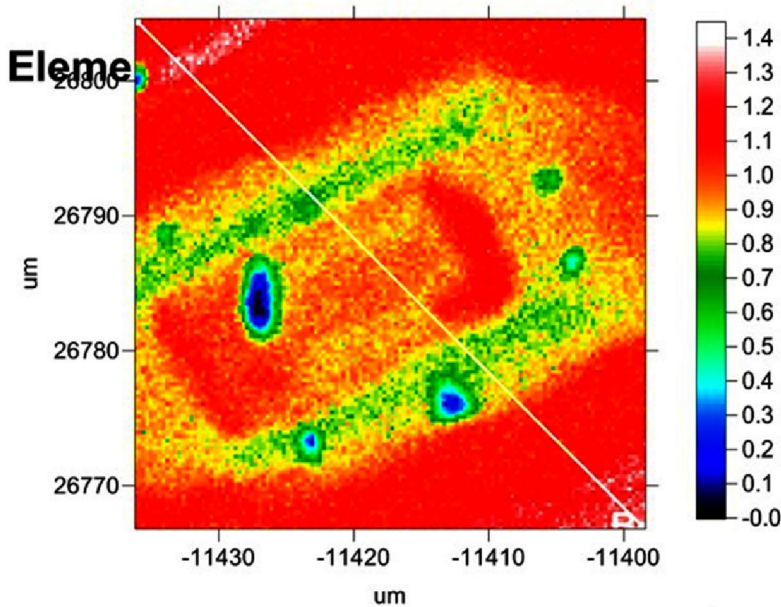
Fig A1 Elemental Maps and cathodoluminescence images of zircons from the Youngest Toba Tuff eruption discussed in text, Sample A102 (see Bindeman, 2003, for crystal size distribution in this sample, requiring thermal oscillation events to explain the distribution)

Youngest Toba tuff, Elemental Map, Crystal 2, 20 h acquisition with background corrected using MAN software (J Donovan). Notice amplitude of elemental concentrations, their covariation, and a number of oscillations in the rim that surrounds the core.

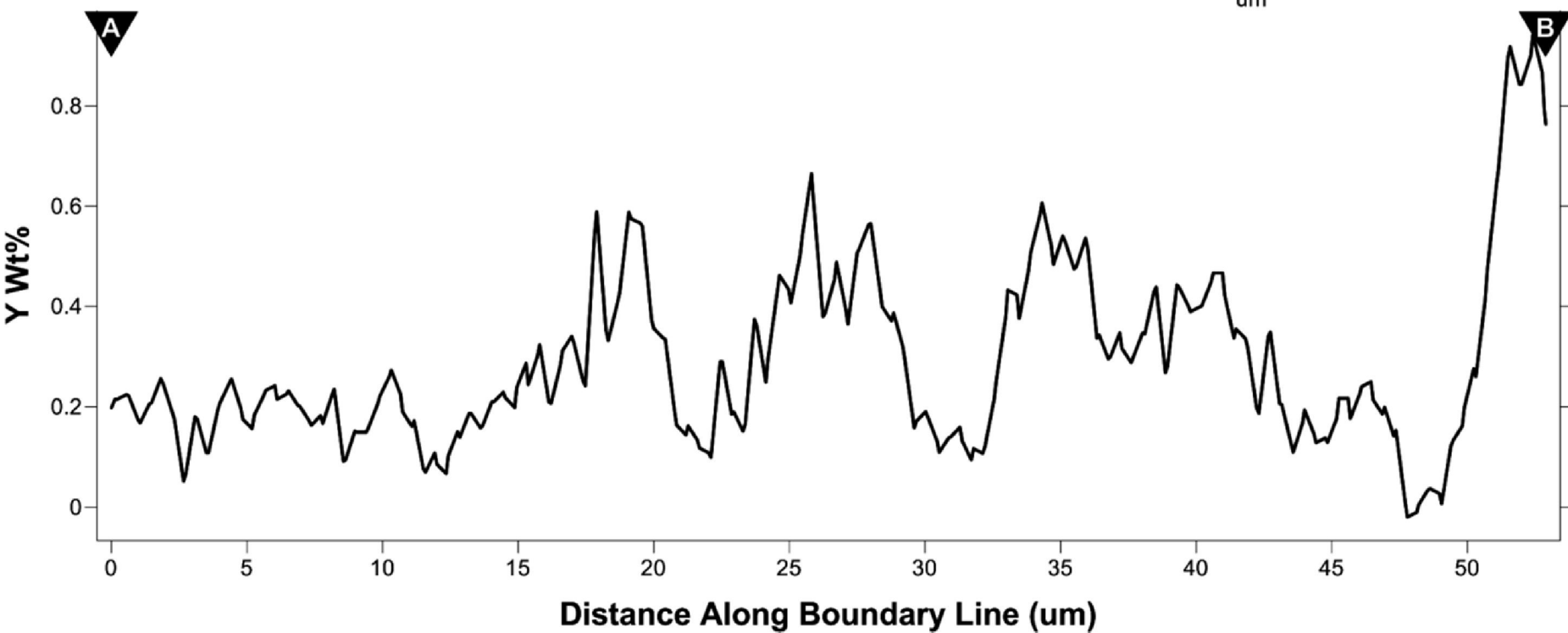
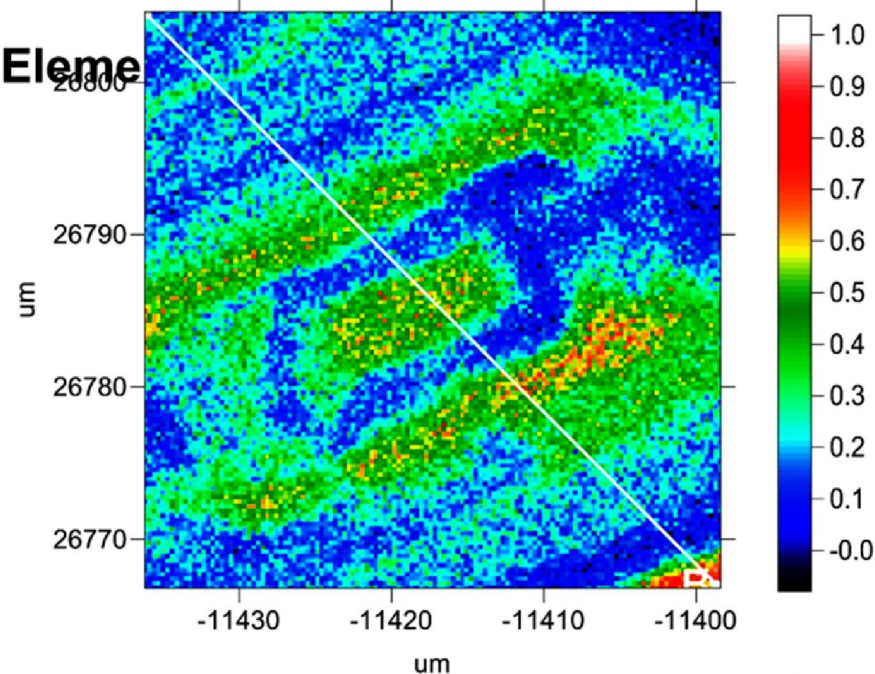


Elemental concentrations across the boundary A-B on the previous figure

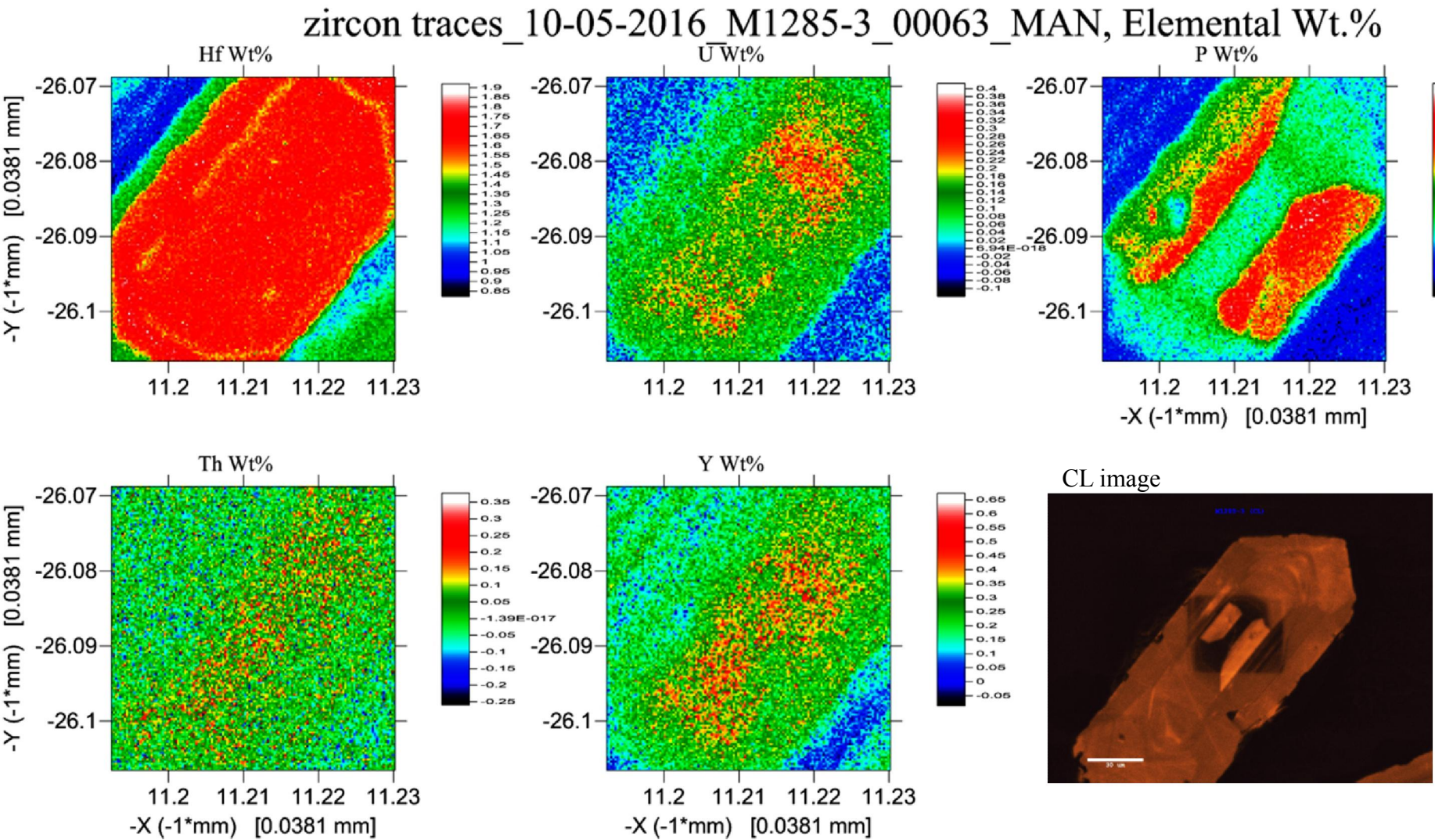
zircon traces_10-05-2016_M1285-2_00062_, Eleme



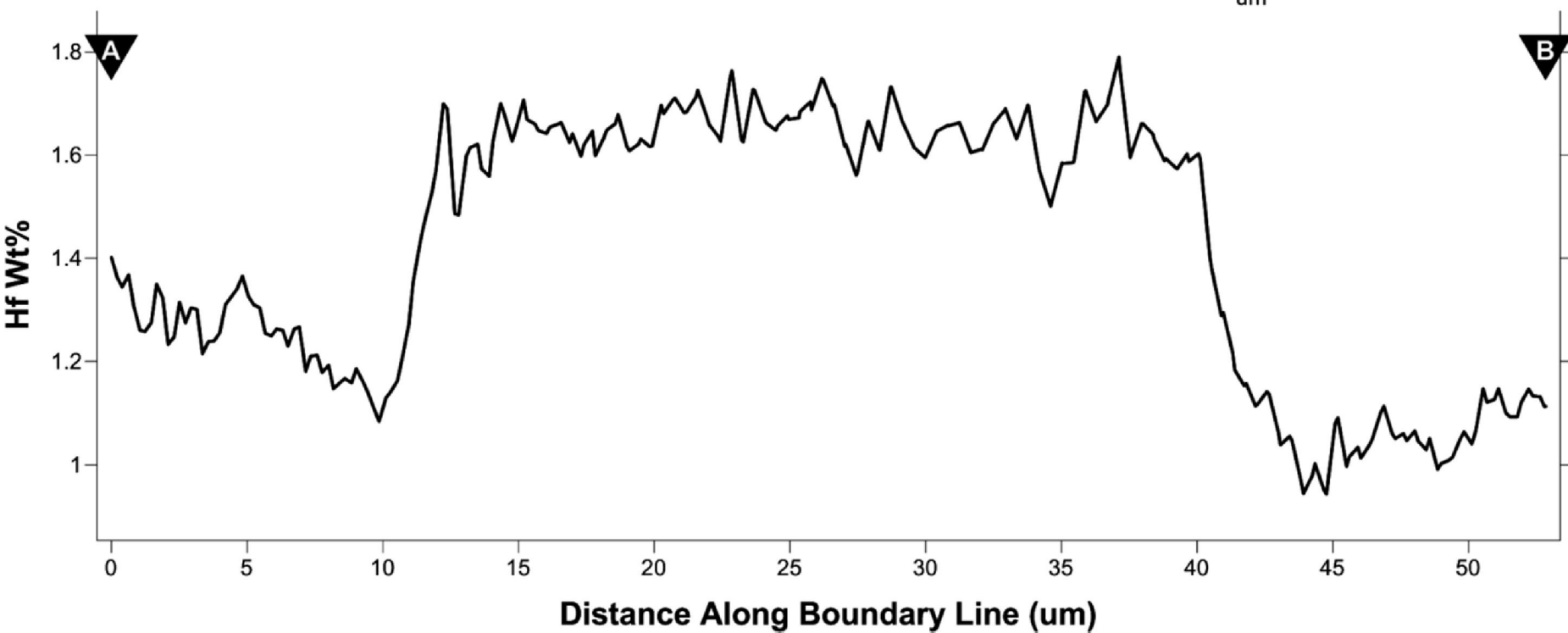
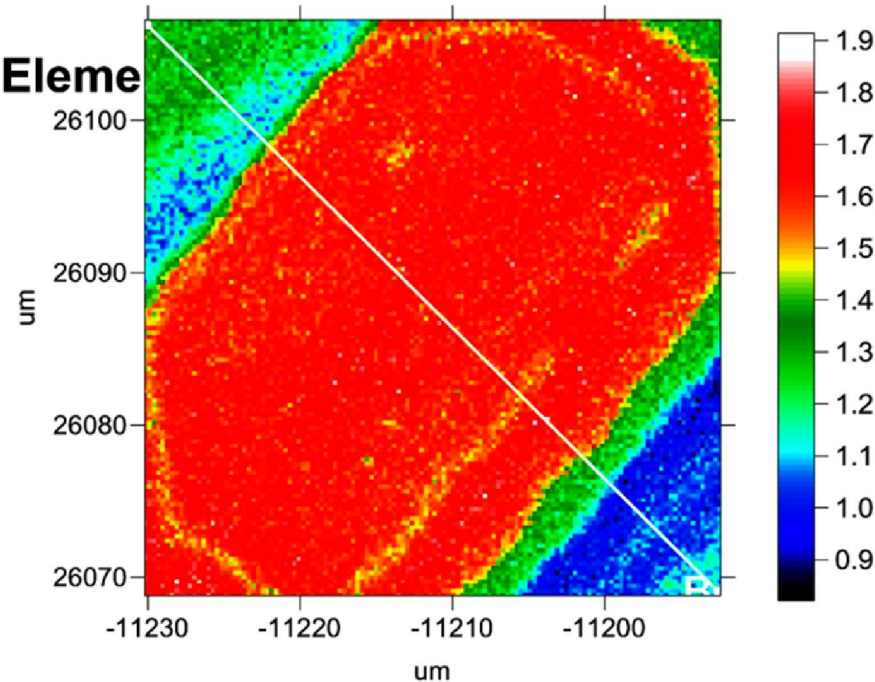
zircon traces_10-05-2016_M1285-2_00062_, Eleme



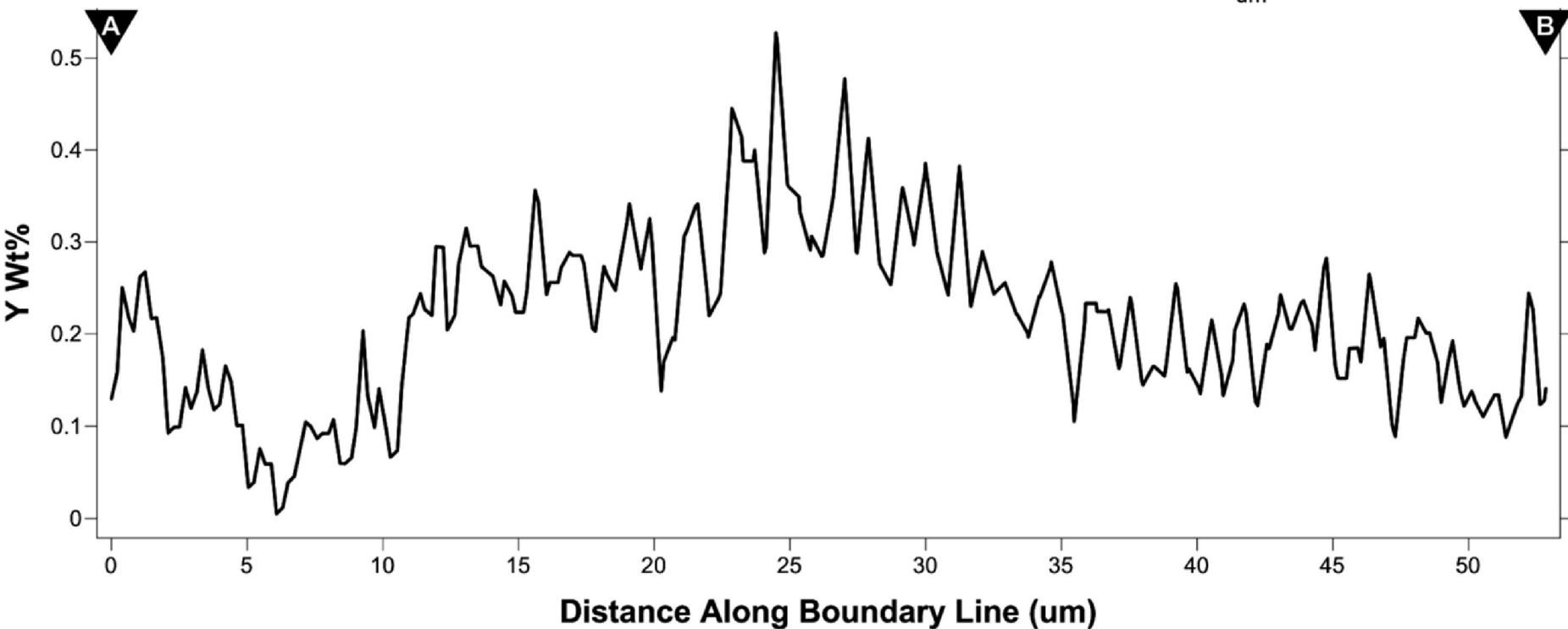
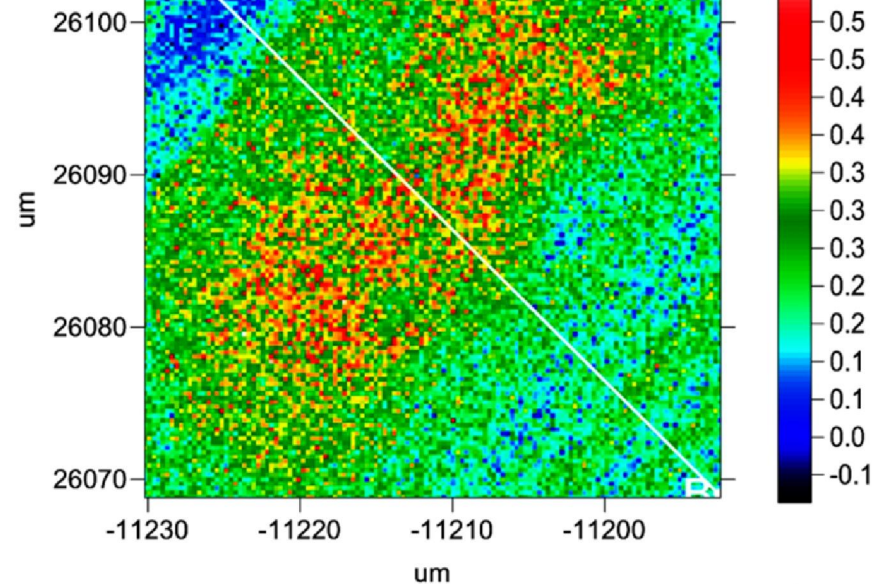
Youngest Toba tuff, **Crystal 3** Elemental Concentrations, sample map, with 20 h acquisition with background corrected using MAN software (J Donovan). Notice amplitude of elemental concentrations, their covariation, and a number of oscillations in the rim that surrounds the core. Sample A102 (see Bindeman, 2003, Fig.1B for crystal size distribution in this sample, requiring thermal oscillation events to explain the distribution) Square on cathodoluminescence (CL) image indicate Imaged area.



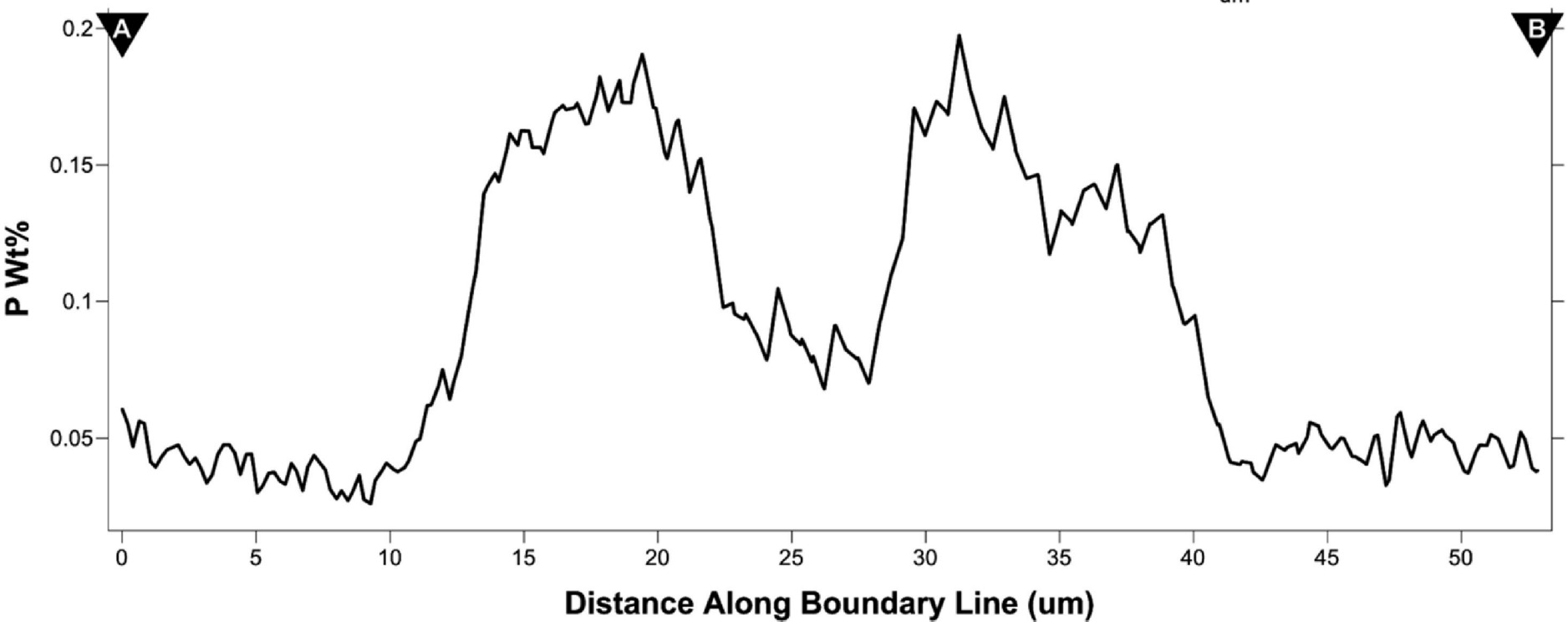
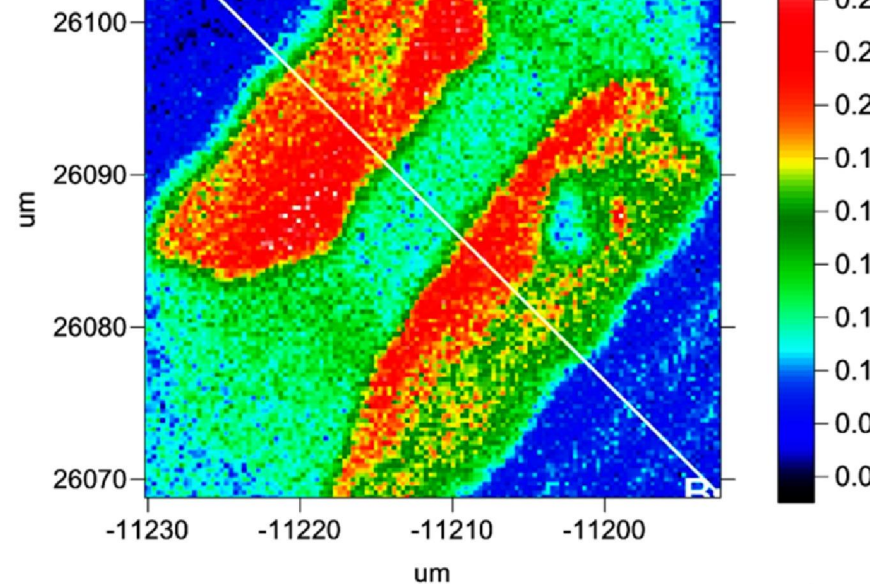
zircon traces_10-05-2016_M1285-3_00063_, Eleme



zircon traces_10-05-2016_M1285-3_00063_, Eleme



zircon traces_10-05-2016_M1285-3_00063_, Eleme



zircon traces_10-05-2016_M1285-3_00063_, Eleme

