

Induced Polarization images the plumbing system of hydrothermal vents in an intracontinental rift, Lake Abhé, Republic of Djibouti

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Figure S1: alteration tomogram with only negative and outliers data filters applied

Introduction

The supporting information presented here intends to display the effects of the filtering of non-exponential decay curves on the alteration model of the article. The alteration tomogram of the article displays models without negative data, outliers, and non-decreasing secondary potential data, all removed before inversion from the raw data set for a better quantification of the CEC (Cationic exchange capacity). Here as supplementary information, only negative data and outliers are being removed from the data set before inversion. This is represented as the tomogram in Figure S1 and supports the hypothesis of the convergence of two hydrothermal conduits reaching each other at depth, and supports the values found within the article as noisier data does not lead to significantly different calculation of the CEC.

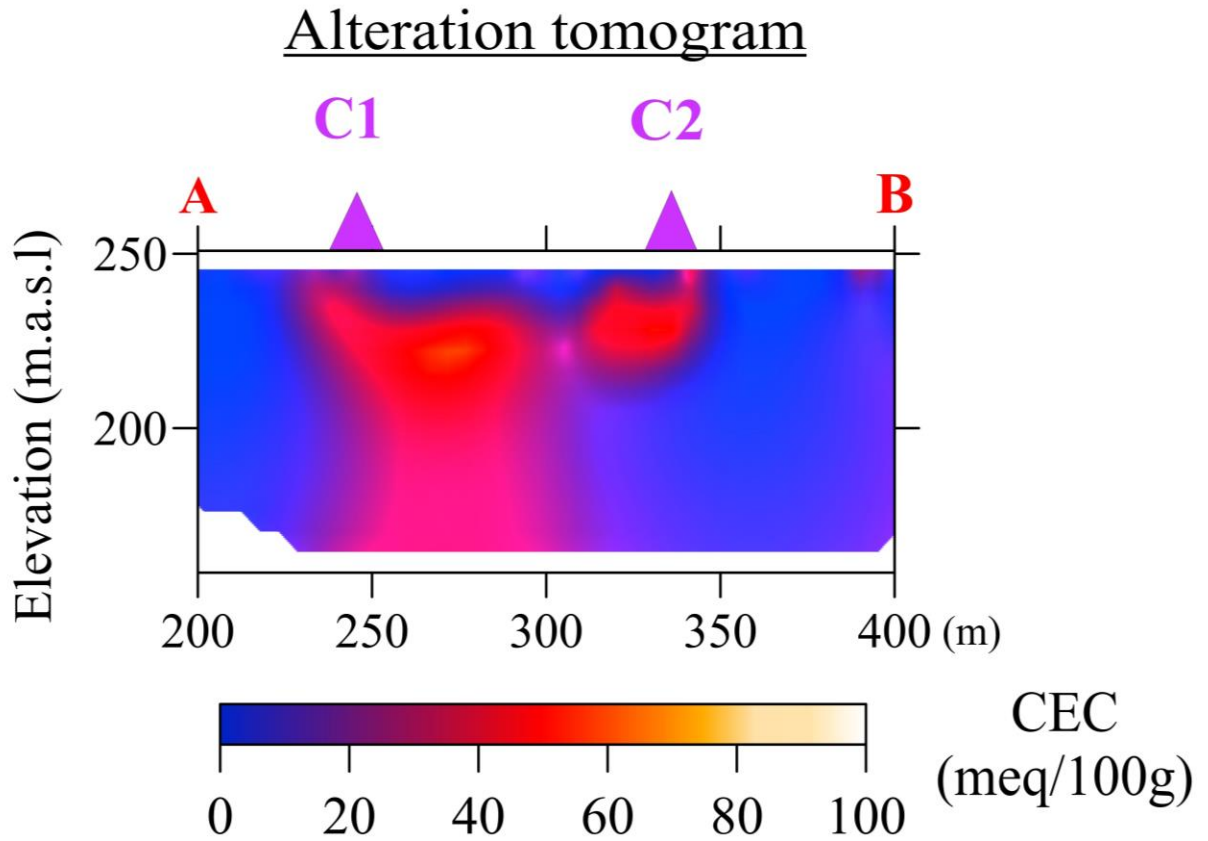


Figure S1: Alteration tomogram with only negative data and outliers filters applied to the raw data set. Similarities can be noted with the alteration tomogram with the filter removing secondary voltage decay curves not following an exponential type decay, both in terms of geometry and value of the signal.