

Supplementary material for "A Shallow Reflector Beneath Krafla Volcano, NE Iceland, Detected With Seismic Migration of Local Earthquake Phases"

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1

2 Introduction

3 This supplementary material provides Figures S1 to S2 as referenced and discussed in the main text. Note that
4 depth is represented by negative values here, unlike the positive-downward convention used in the main text.

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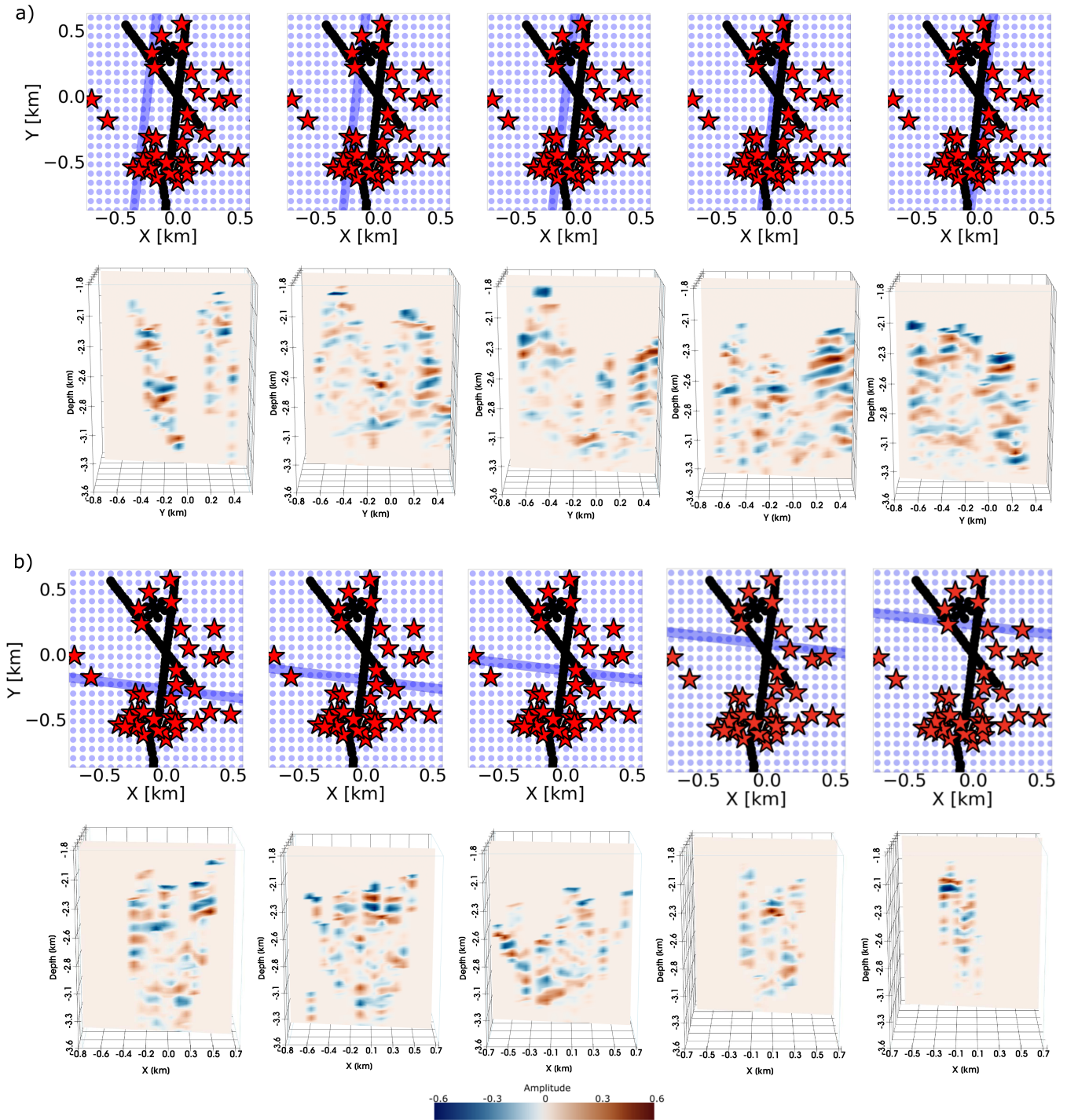


Figure S1 Variability in imaging results across the study area. Seismic stations are indicated by black circles and earthquakes by red stars. The IDDP-01 borehole is located at the intersection of the two station profiles ($X = 0$ km, $Y = 0$ km). a) Y-Z (S-N trending) cross-sections are shown across the entire region from west to east relative to the IDDP-1 borehole. b) X-Z (E-W trending) crustal images from south to north.

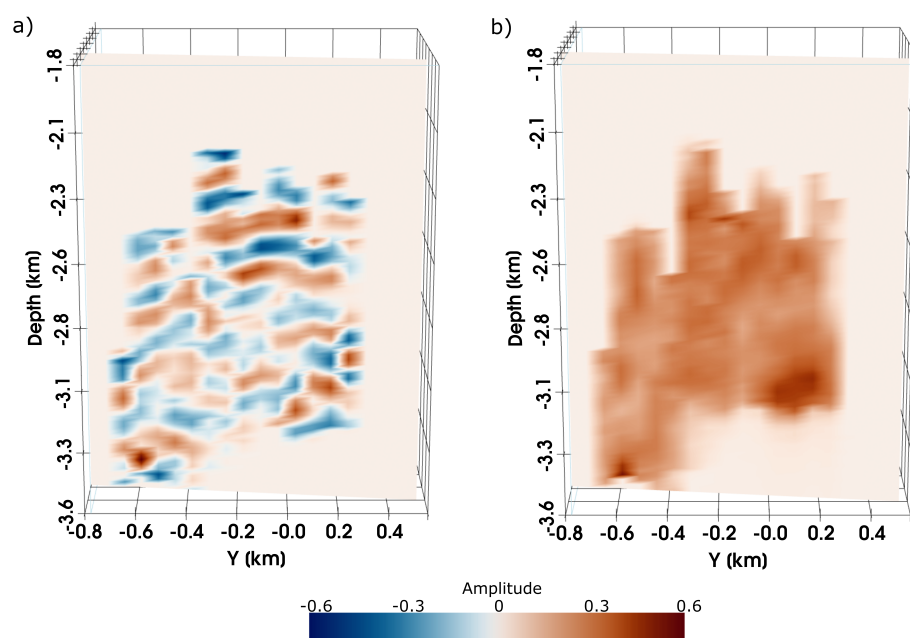


Figure S2 a) Same cross-section as in Figure 7 in the main text. b) The image obtained when envelopes of seismic traces are used as input in the migration workflow.