

Supporting Information for ”When there is no offset - a demonstration of seismic diffraction imaging and depth velocity model building in the southern Aegean Sea”

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1. Figures S1 and S2

Introduction

Here we present supporting information for the paper titled ”When there is no offset - a demonstration of seismic diffraction imaging and depth velocity model building in the southern Aegean Sea.” Contained in this section is a figure illustrating the proposed processing flow for the academic reflection seismic data and a figure illustrating the effect of different apertures used for the diffraction separation. These figures help to follow and reproduce the proposed workflow.

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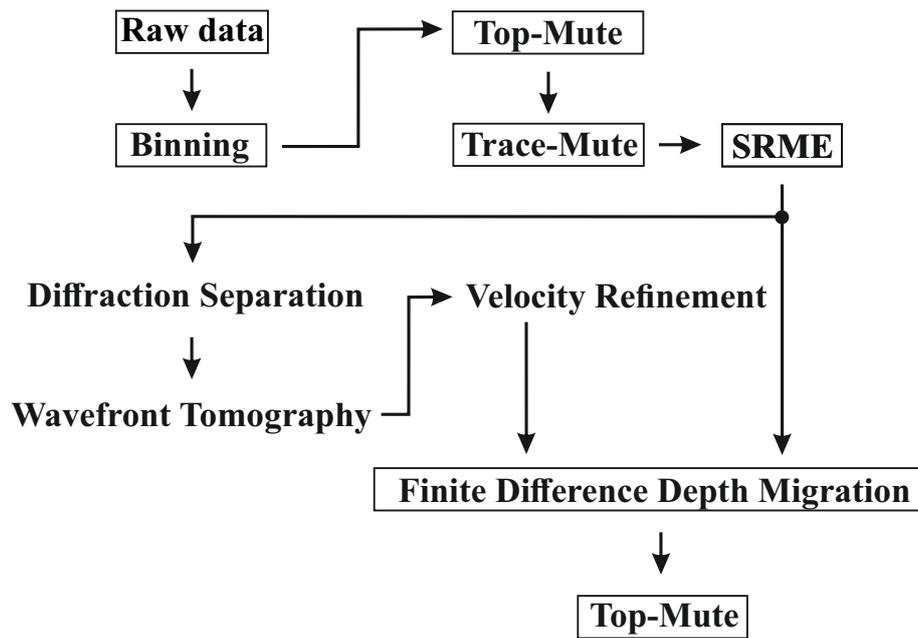


Figure S1. Illustration of the processing flow. Conventional processing steps are highlighted by the rectangles. Processing steps related to diffraction and depth imaging are underlined.

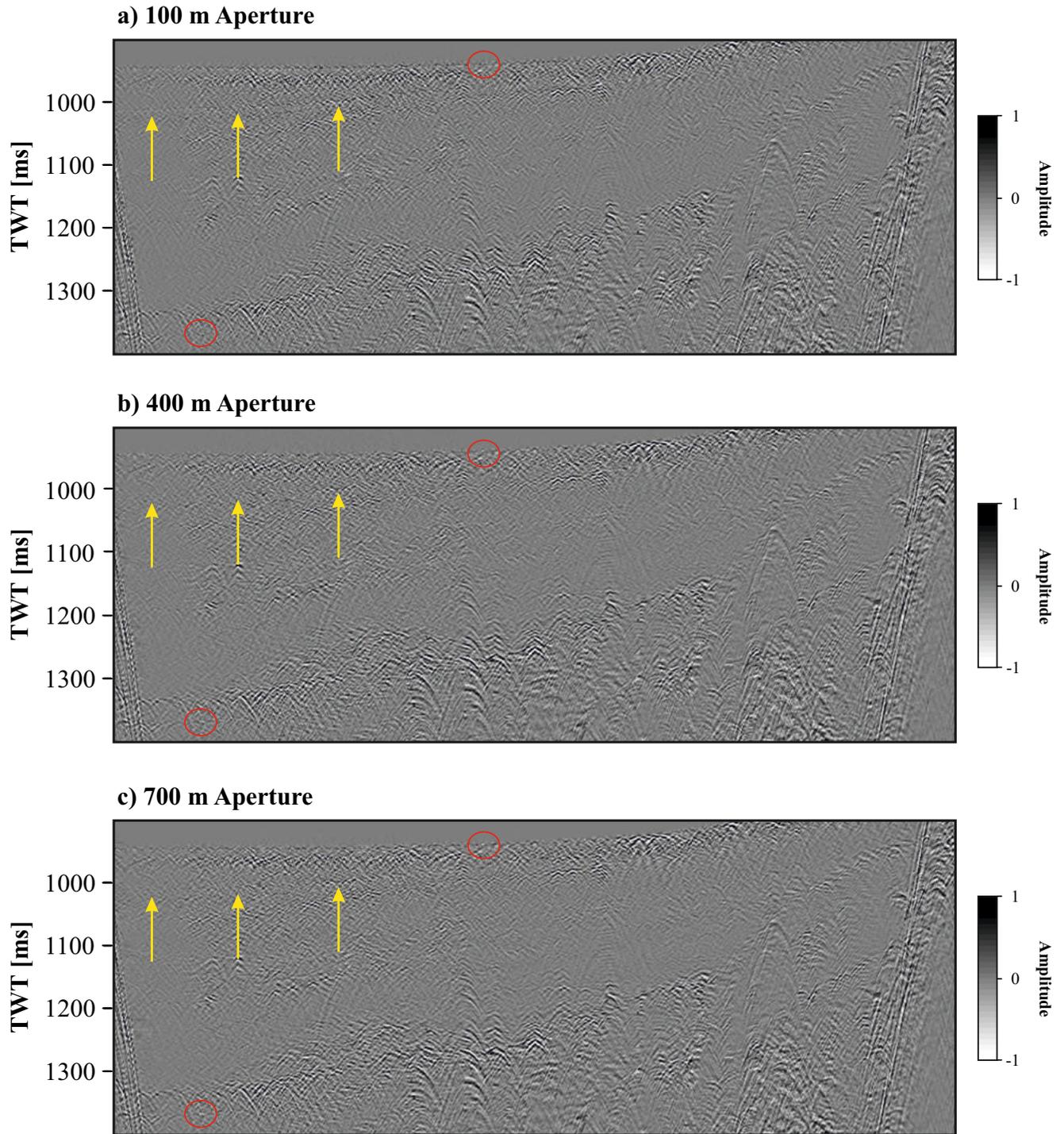


Figure S2. Illustration of how different apertures for the coherent beam subtraction affect the separation result. Yellow arrows indicate a reflection horizon that remains in the separation derived with smaller apertures. Red circles indicate artefacts introduced when using higher apertures.