

Supplementary information for

Segmentation of the Andaman–Sumatra forearc and its implications for great-earthquake rupture

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This file contains the results from four alternative geometries for the kinematic block modelling, which were tested alongside the preferred model presented in the manuscript. The corresponding interpretations are provided in the manuscript in the section “**Data and Methods: Kinematic Block Inversion.**”

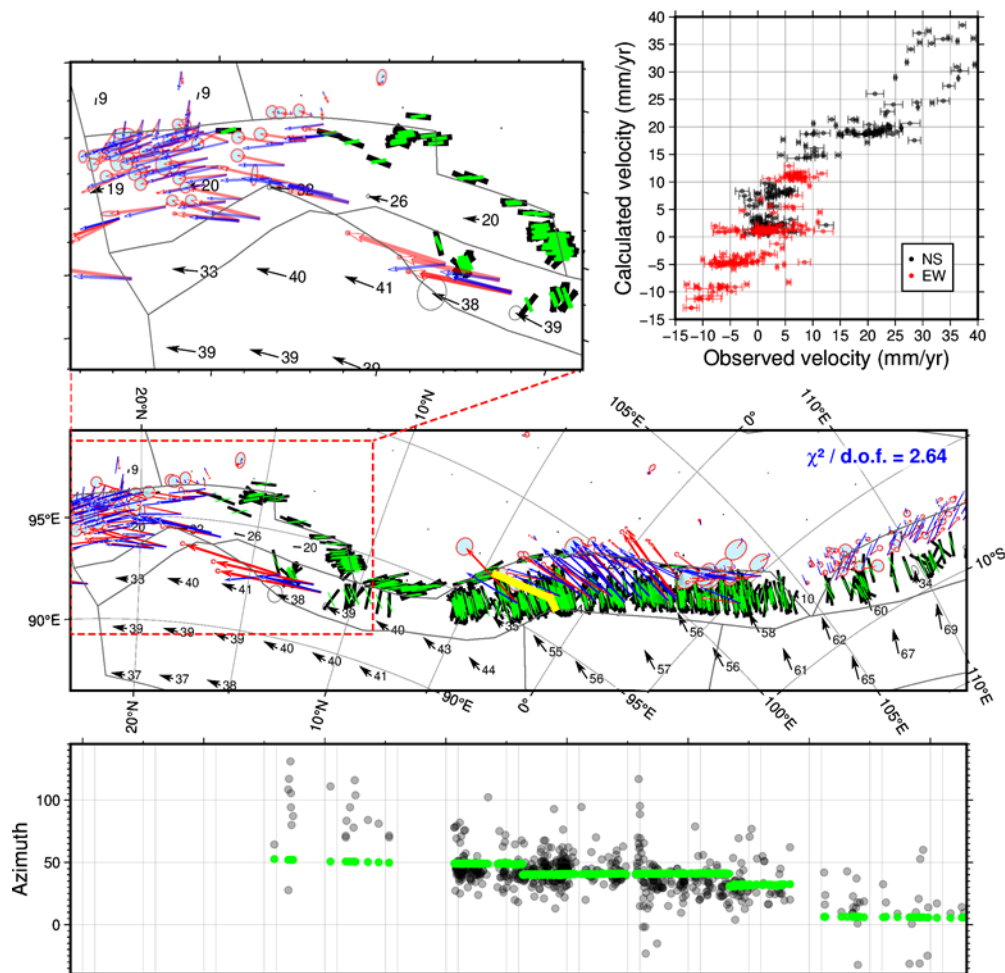


Figure S1: Alternate model I: The boundary between Andaman and Sumatra placed at Simeulue Saddle (marked in yellow).

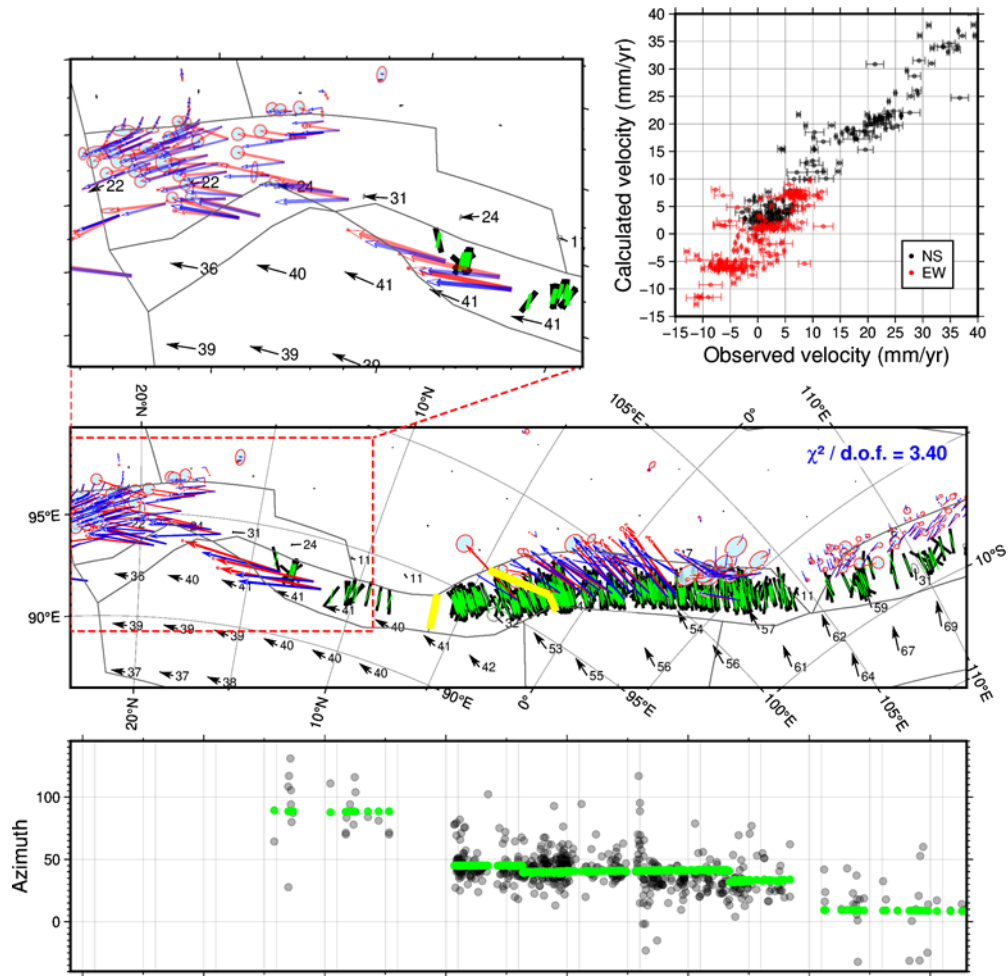


Figure S2: Alternate model II: Two boundaries between Andaman and Sumatra are introduced (marked in yellow), at the Nicobar Neck and at the Simeulue Saddle. This configuration introduces another micro-block between those two boundaries.

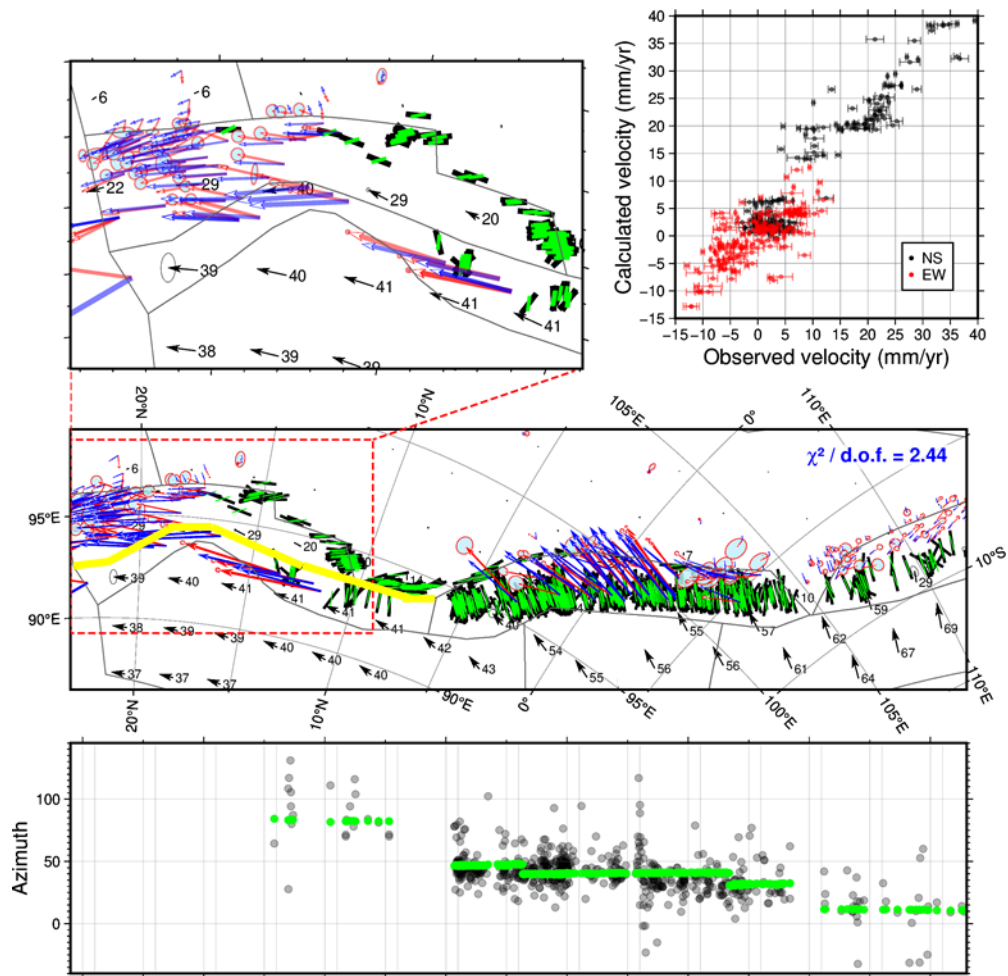


Figure S4: Alternate model IV: Single strike-slip fault connecting the Andaman segment and the western Myanmar section.