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Auxiliary Material for Paper 2005JB004197

Investigation of upper mantle discontinuity structure beneath the central Pacific using SS precursors

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Introduction

Figures S1-S9 show topologies for stacking parameters not explored in Figure 14 of the manuscript, and may be of interest to the reader. These additional plots demonstrate the agreement between topologies across the different stacking parameters, such as the corner frequency of the low-pass filter, correction models, and SNR value. The stacking geometry in all the supplemental plots is 80 10-degree radius bins, as shown in Figure 8b. As in Figure 14, topologies are plotted relative to the mean value for each set of stacking parameters; red is shallower than average, blue is deeper. The same four tomographic models described in the text are used to correct for mantle heterogeneity, the uncorrected results are labeled as "None."

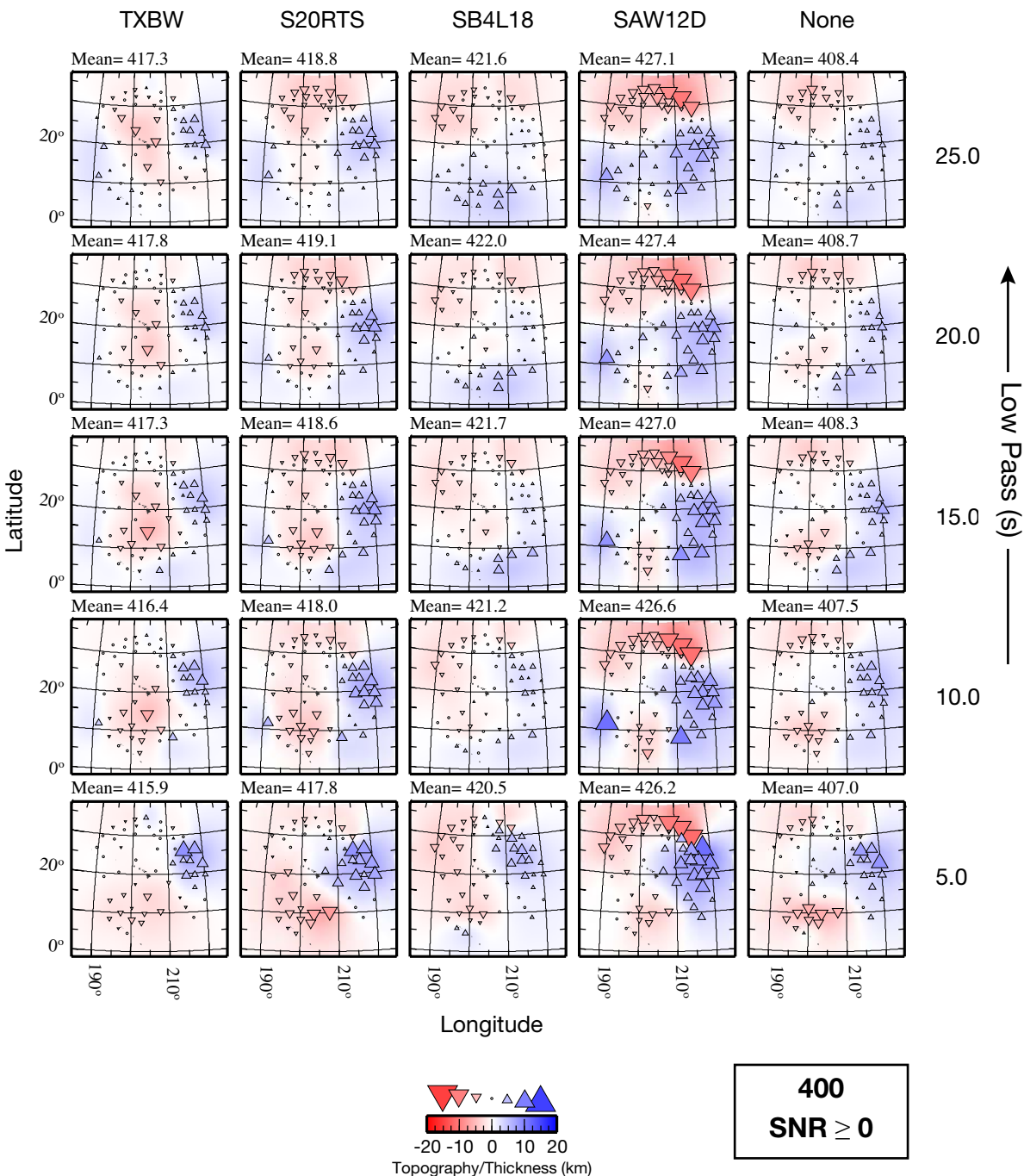
1. 2005JB004197-fs01.eps Figure S1. Stacks for SNR greater than 0 cutoff; results for the 400-km discontinuity (Figure 14).
2. 2005JB004197-fs02.eps Figure S2. Stacks for SNR greater than 0 cutoff; results for the 670-km discontinuity (Figure 14).
3. 2005JB004197-fs03.eps Figure S3. Stacks for SNR greater than 0 cutoff; results for the transition zone thickness (TZT) (Figure 14).
4. 2005JB004197-fs04.eps Figure FS4. Stacks for SNR greater than 3 cutoff; results for the 400-km discontinuity (Figure 14).
5. 2005JB004197-fs05.eps Figure S5. Stacks for SNR greater than 3 cutoff; results for the 670-km discontinuity (Figure 14).
6. 2005JB004197-fs06.eps Figure S6. Stacks for SNR greater than 3 cutoff; results for the TZT (Figure 14).

7. 2005JB004197-fs07.eps Figure S7. Stacks for SNR greater than 6 cutoff; results for the 400-km discontinuity (Figure 14).

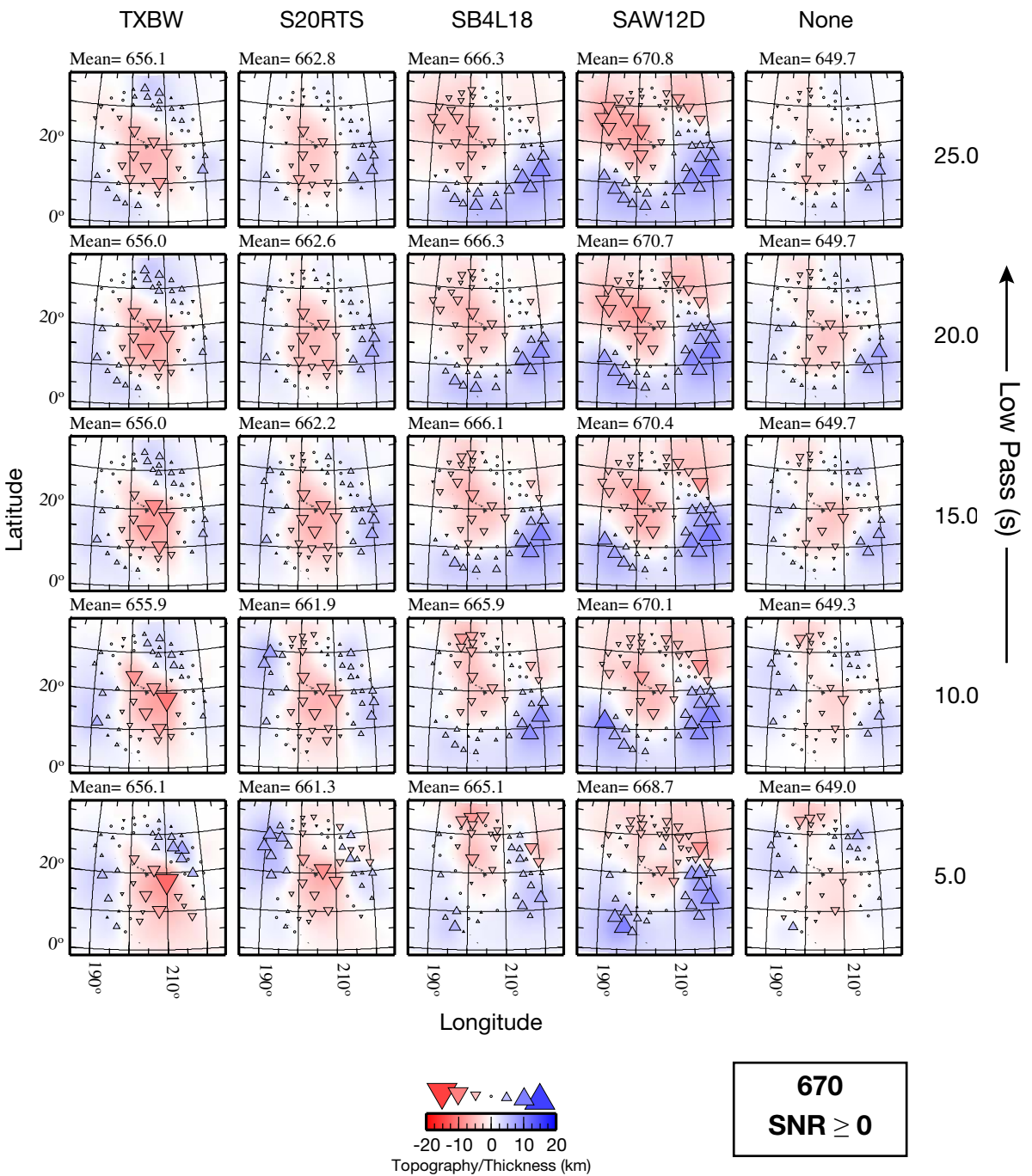
8. 2005JB004197-fs08.eps Figure S8. Stacks for SNR greater than 6 cutoff; results for the 670-km discontinuity (Figure 14).

9. 2005JB004197-fs09.eps Figure S9. Stacks for SNR greater than 6 cutoff; results for the TZT (Figure 14).

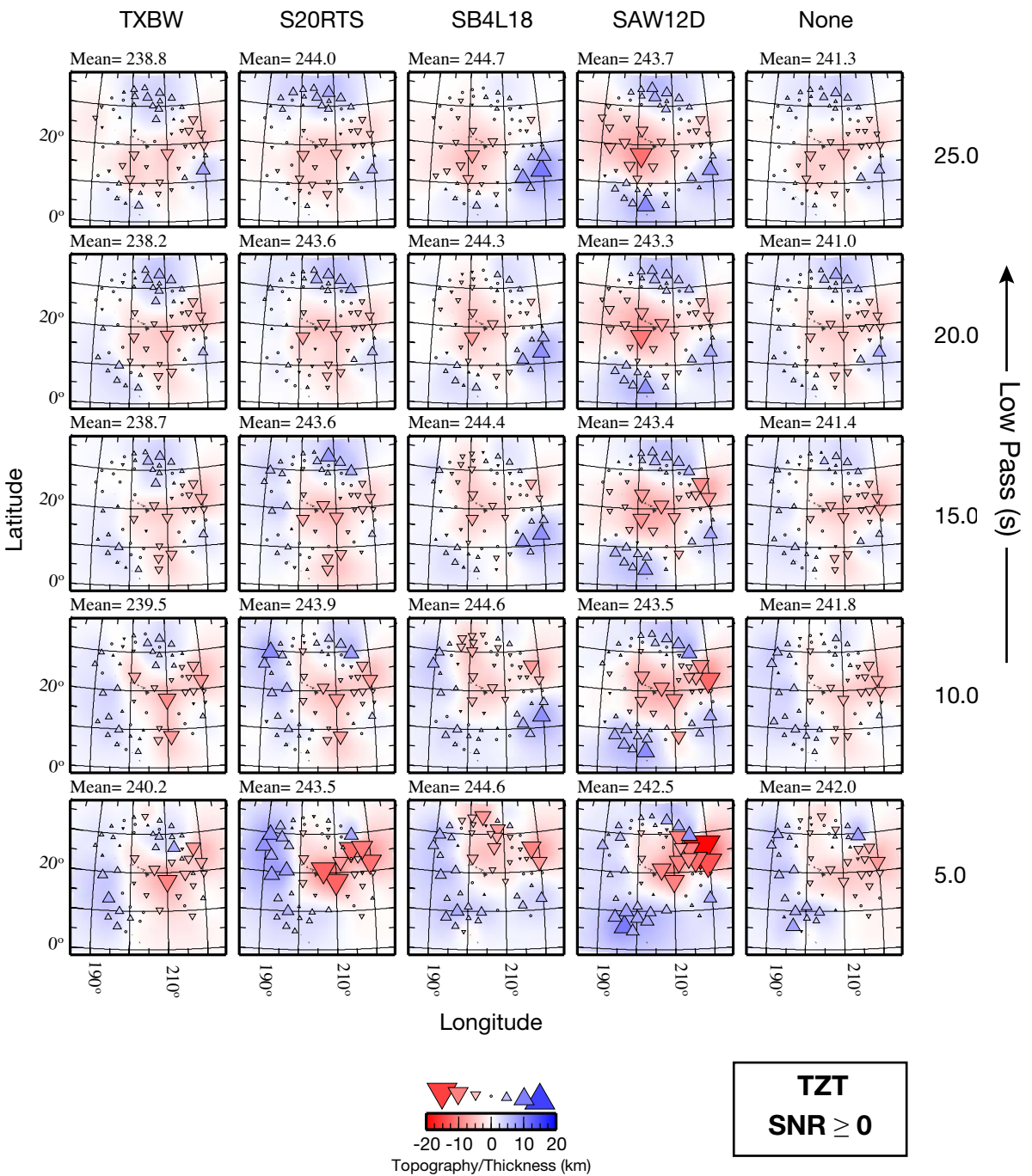
Correction Model



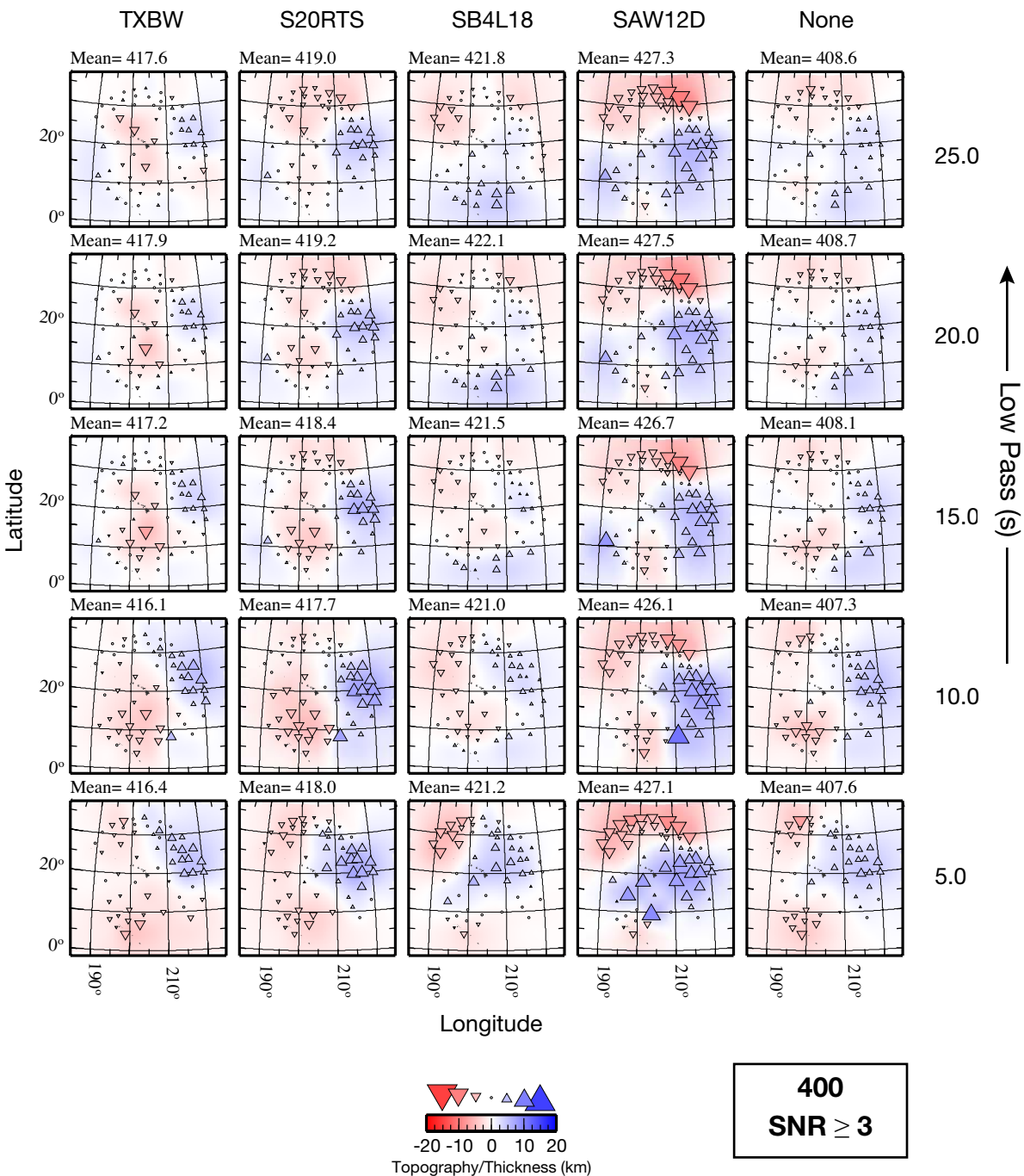
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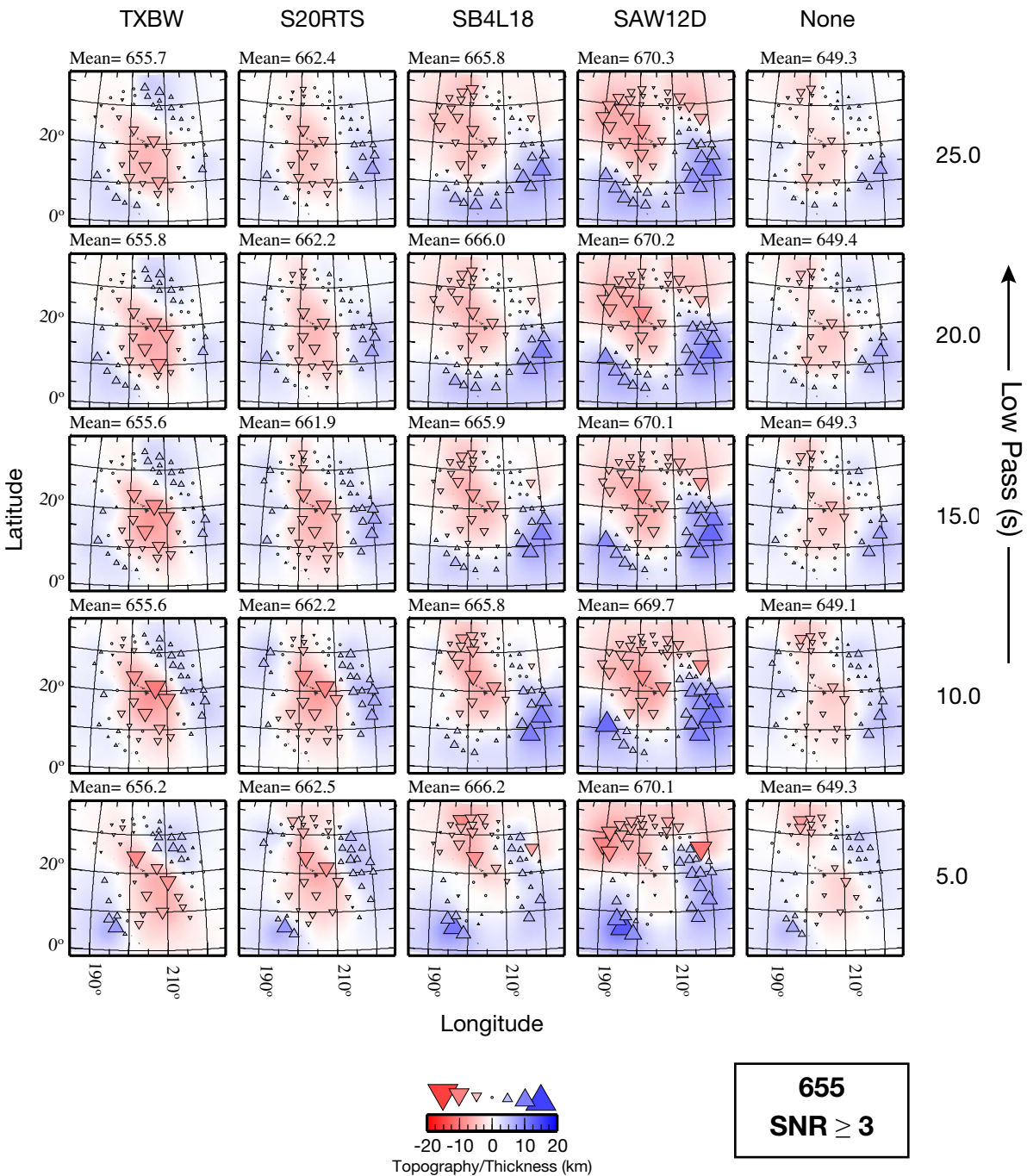
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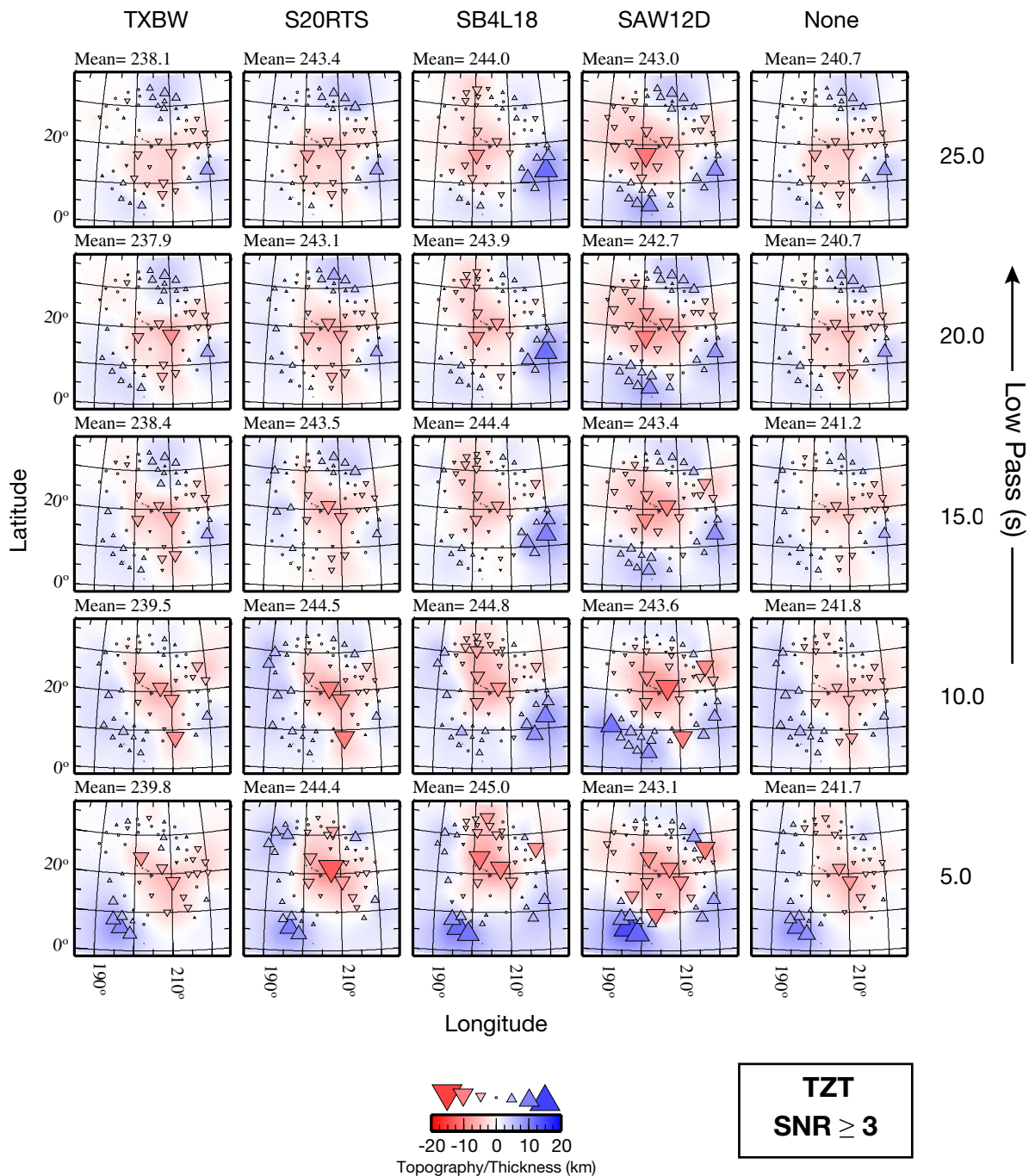
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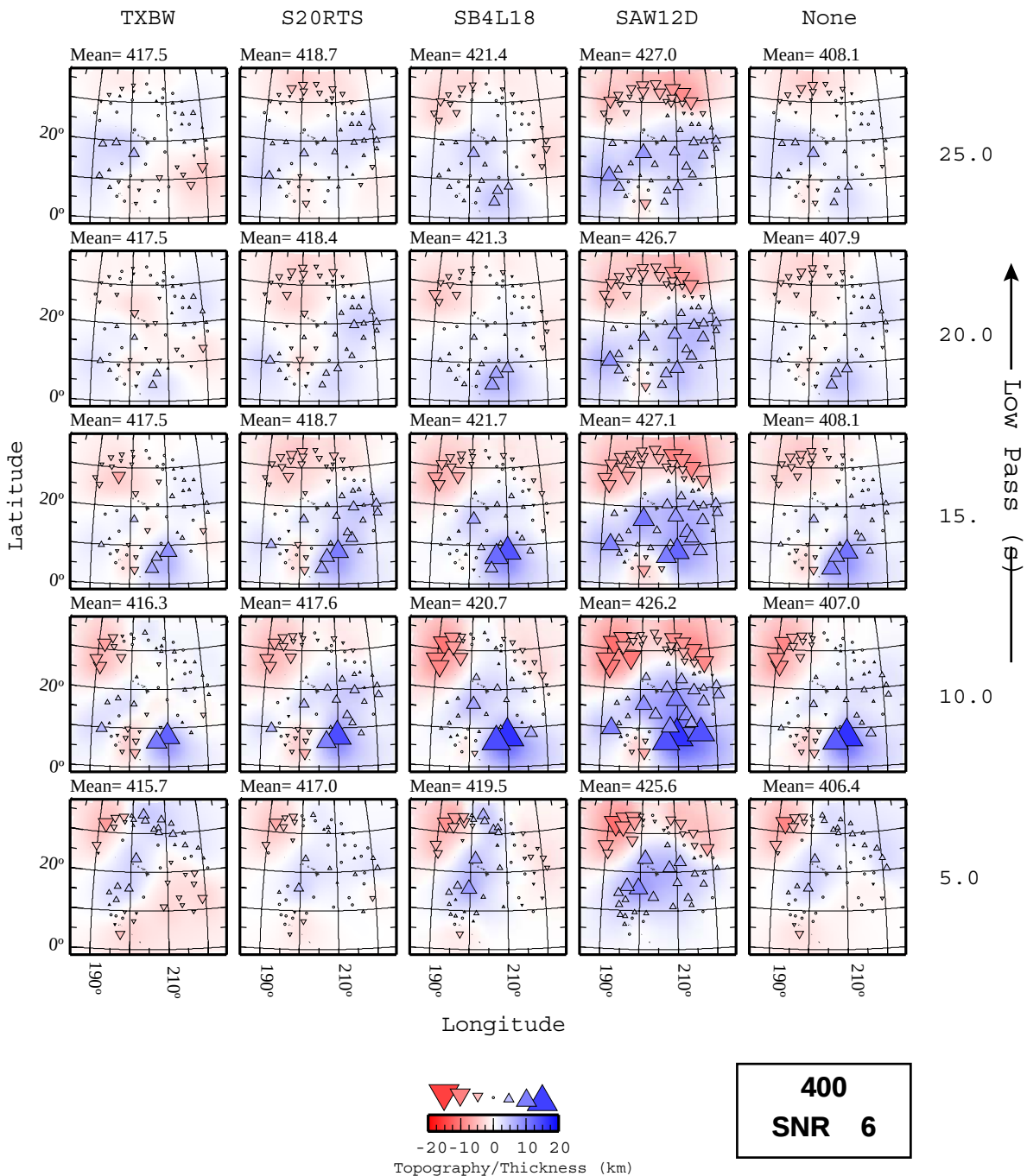
Correction Model



Correction Model



Correction Model



Correction Model

