

*Geophysical Research Letters*

Supporting Information for

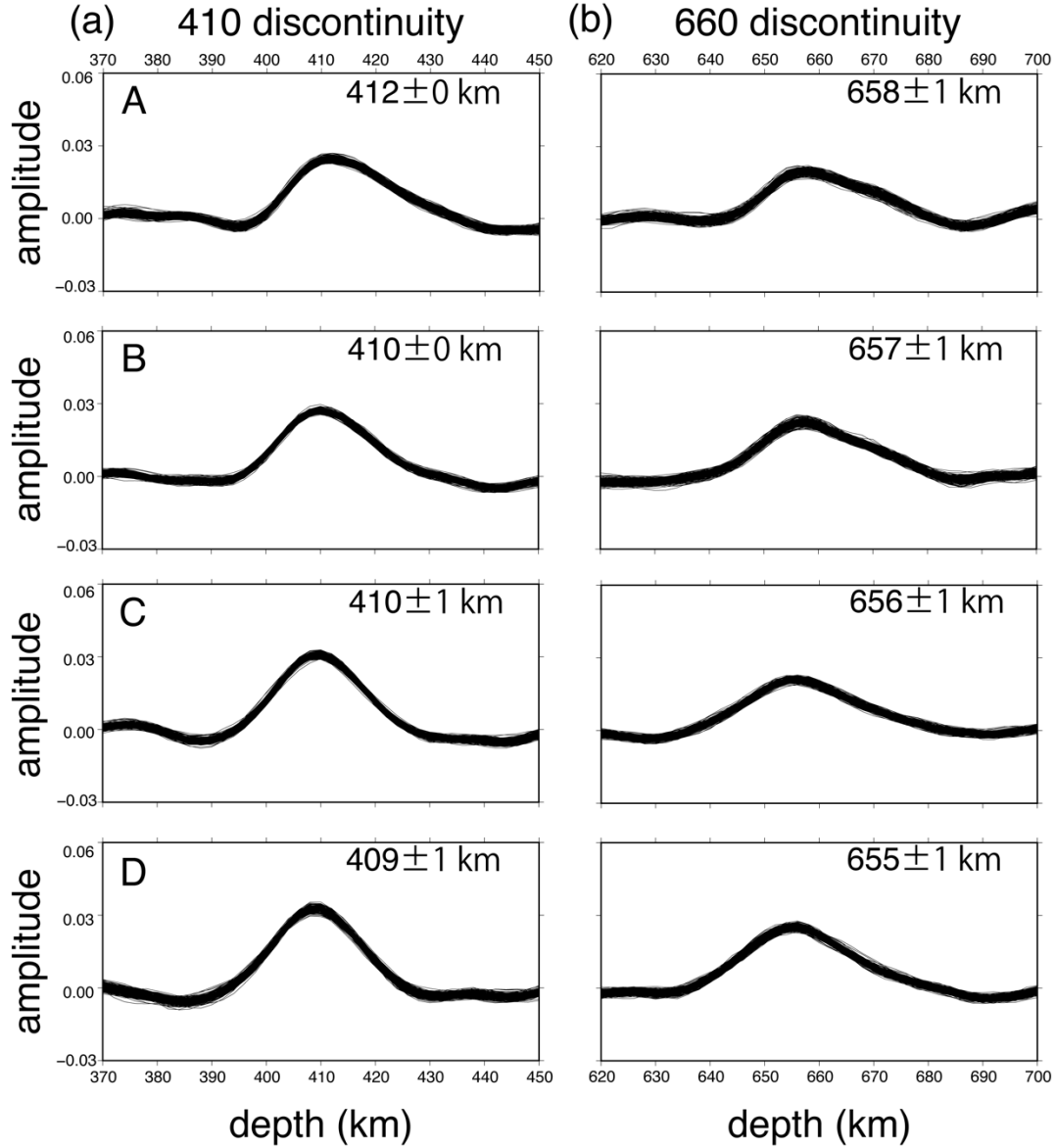
**Flat 410 and 660 Discontinuities beneath Northeastern Japan: Implication for a Sub-Slab Wet Plume Hypothesis**

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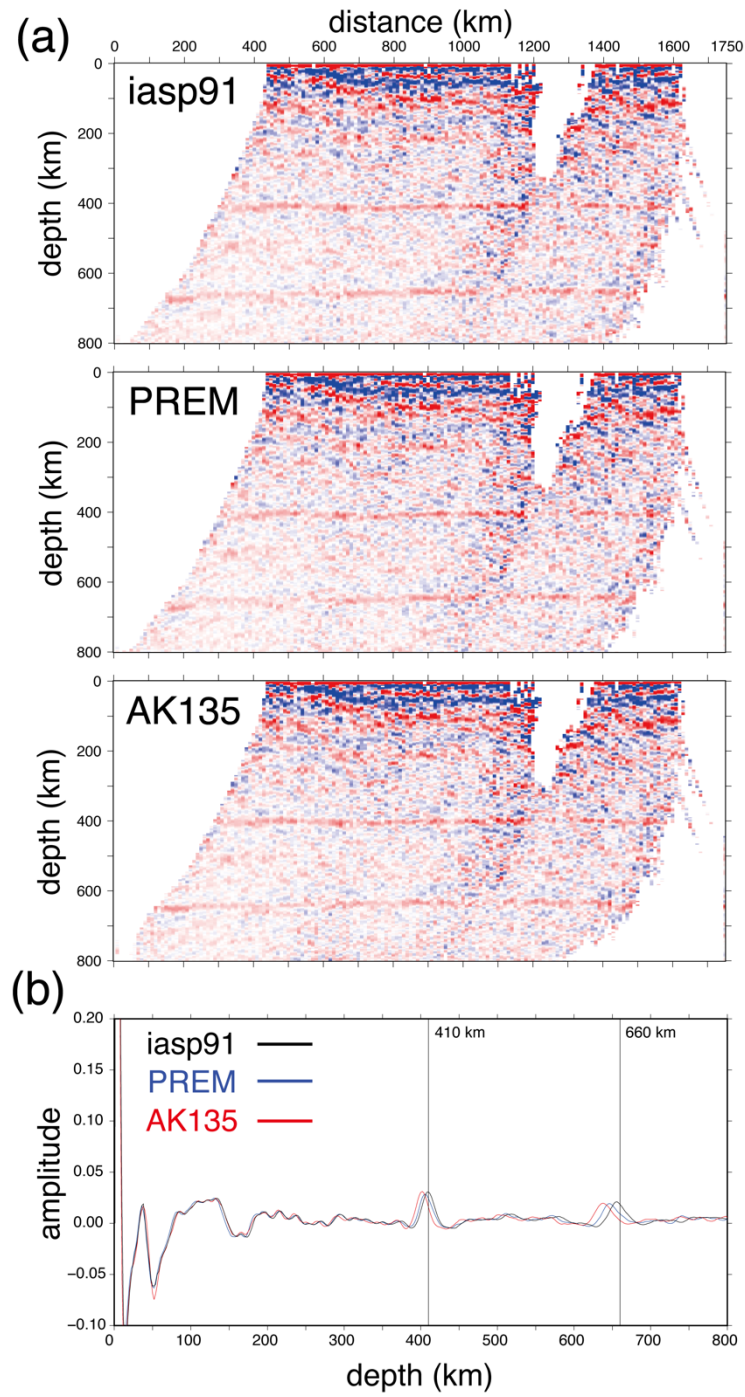
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Figures S1 to S2



**Figure S1.** RFs produced by 200 bootstrap sampling averaged over the entire profile along four profiles. Magnification of FRs at (a) 370-450 km and (b) 620-700 km depths. The average depth of the maximum amplitude calculated from the 200 bootstrap sampling is shown at each panel. The values represent the average and standard deviation of the depth of 410 and 660 in this test.



**Figure S2.** (a) The comparison of RF results for three 1D velocity models; iasp91 (Kennett and Engdahl 1991), PREM (Dziewonski et al. 1981), and AK135 (Kennett et al. 1995). All images are calculated along profile C. (b) The averaged RFs over the entire profile.