

The seismic signature of lithospheric deformation beneath eastern North America due to Grenville and Appalachian orogenesis

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SUPPLEMENTARY FIGURE CAPTIONS

Figure S1. Backazimuthal RF gathers for station ACSO. Radial (left) and transverse (right) component receiver functions computed as described in the main text. RFs were computed from data that were lowpass filtered at 0.5 Hz and binned according to backazimuth (values shown on *y* axis) in 10° bins.

Figure S2. Epicentral distance RF gathers for station ACSO. Radial (left) and transverse (right) component receiver functions computed as described in the main text. RFs were computed from data that were lowpass filtered at 0.5 Hz and binned according to epicentral distance (values shown on *y* axis) in 5° bins.

Figure S3. Same as Figure S1, for station BINY.

Figure S4. Same as Figure S2, for station BINY.

Figure S5. Same as Figure S1, for station ERPA.

Figure S6. Same as Figure S2, for station ERPA.

Figure S7. Same as Figure S1, for station MCWV.

Figure S8. Same as Figure S2, for station MCWV.

Figure S9. Same as Figure S1, for station SSPA.

Figure S10. Same as Figure S2, for station SSPA.

Figure S11. Same as Figure S1, for station TZTN.

Figure S12. Same as Figure S2, for station TZTN.

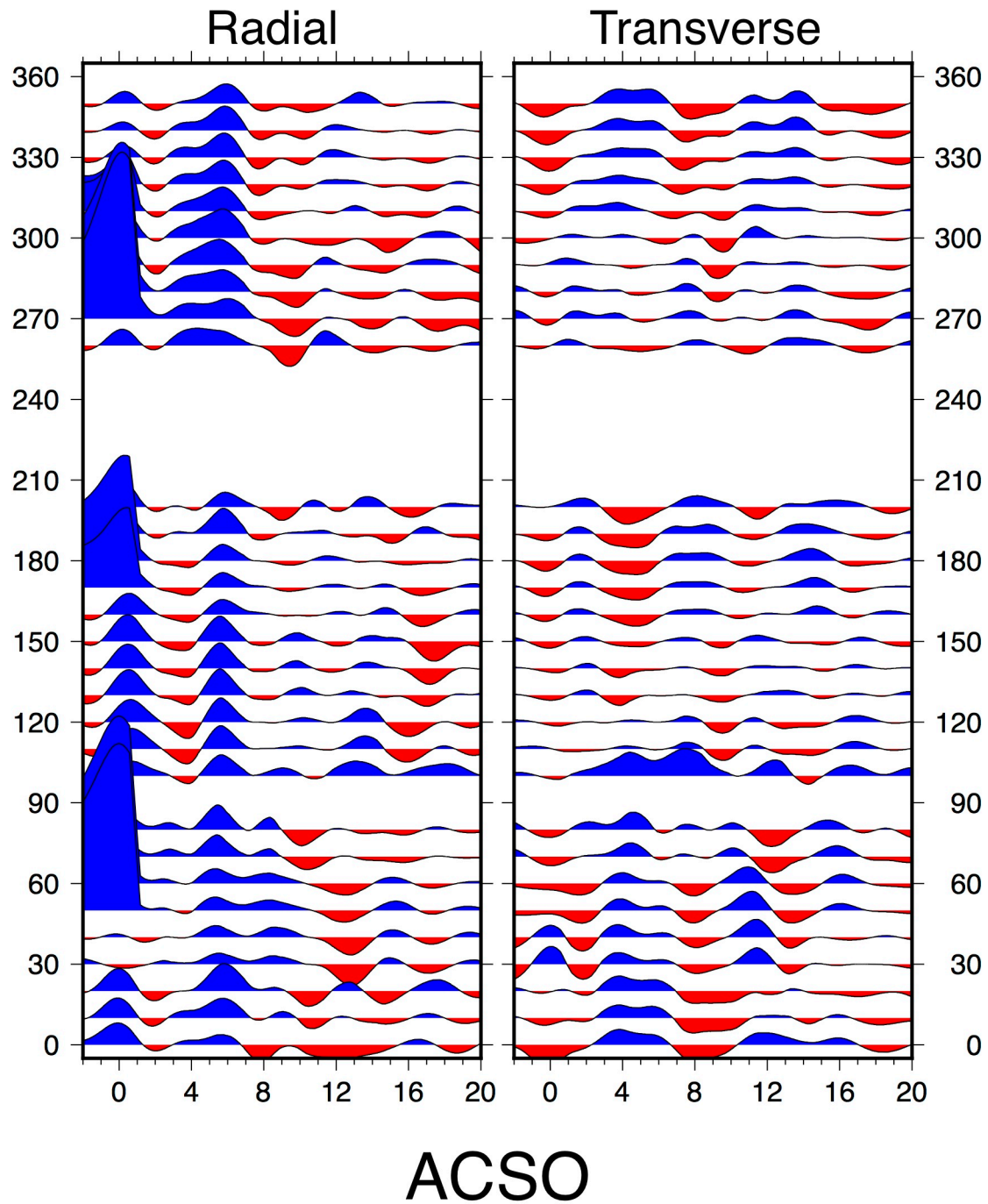


Figure S1

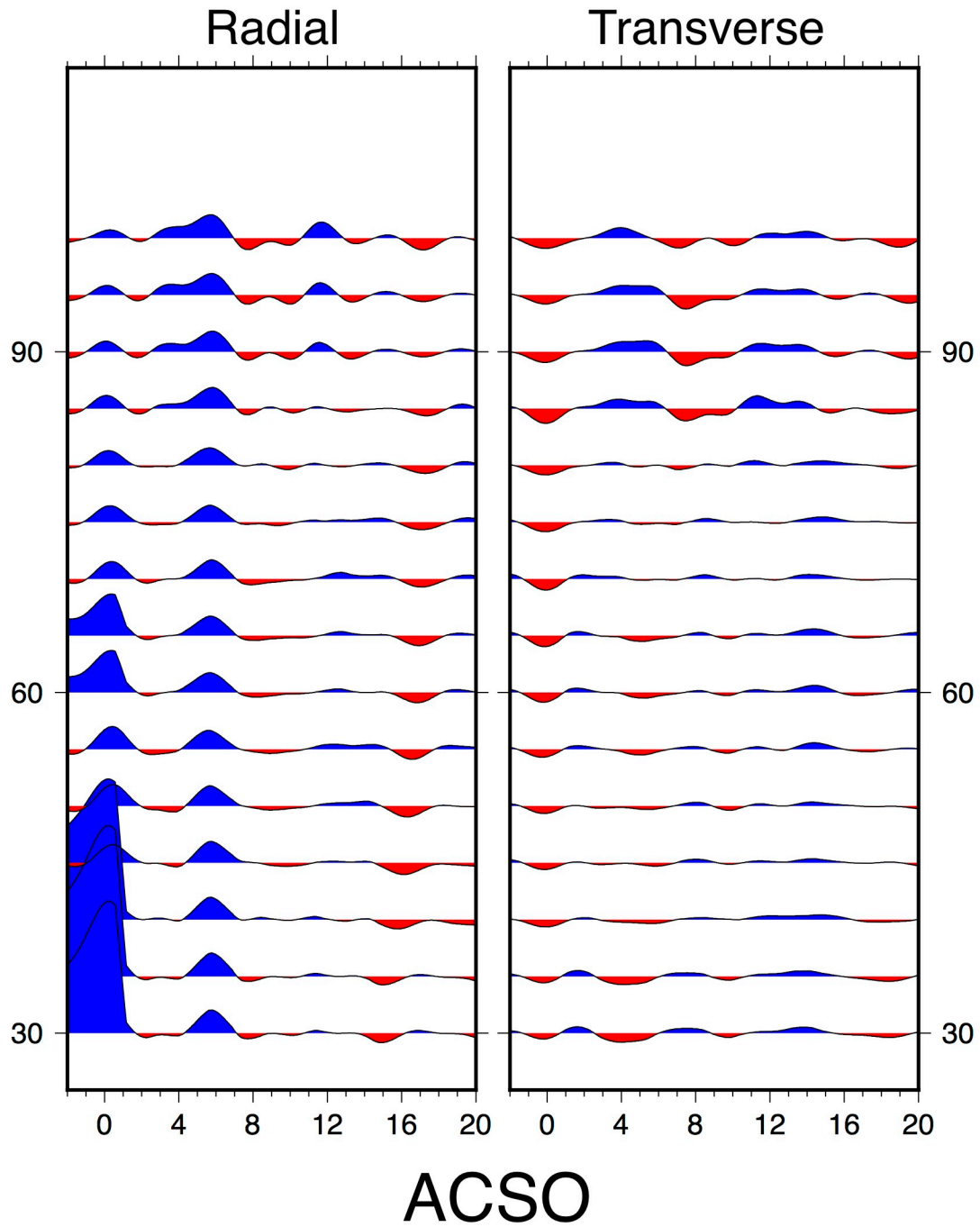


Figure S2

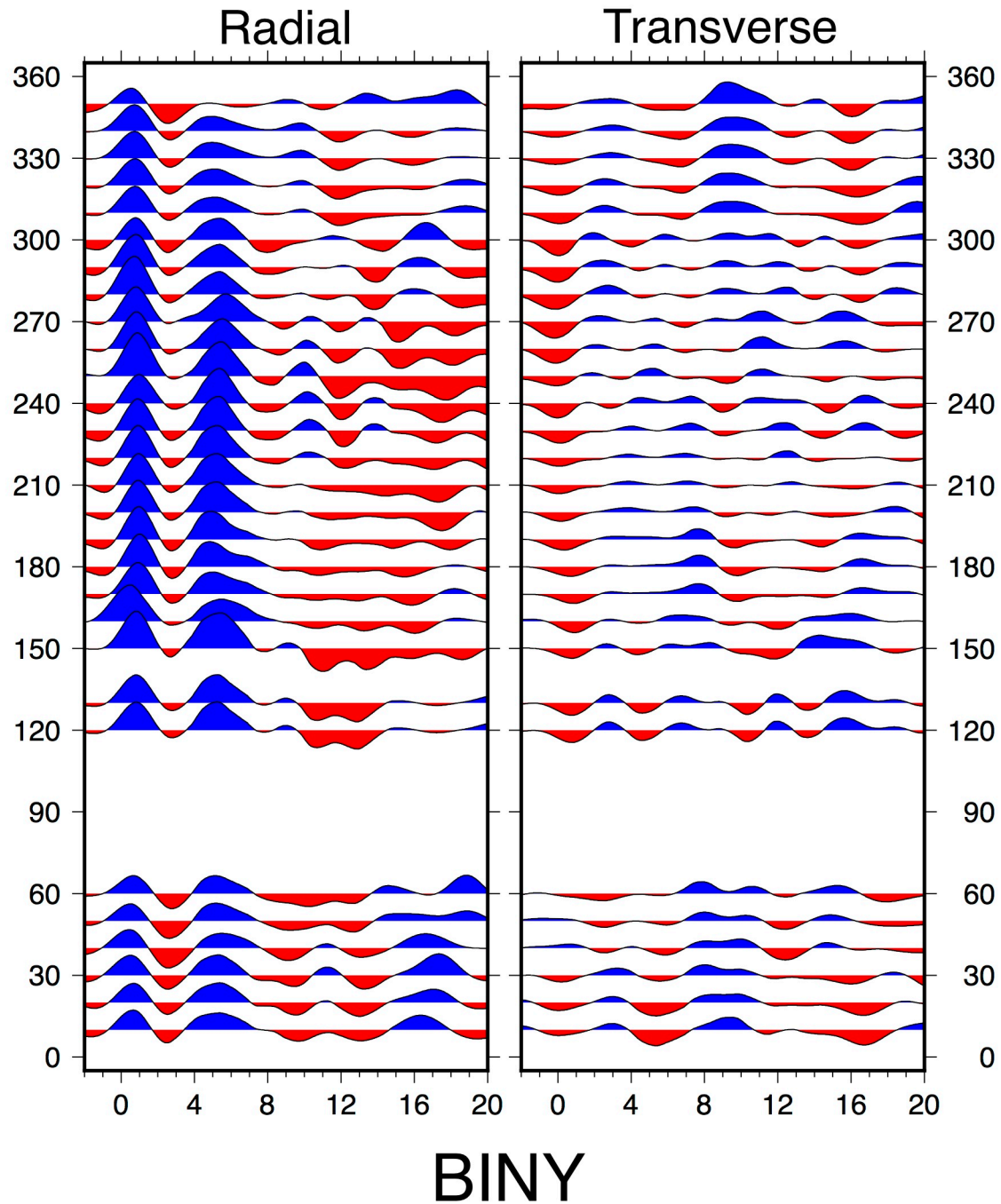


Figure S3

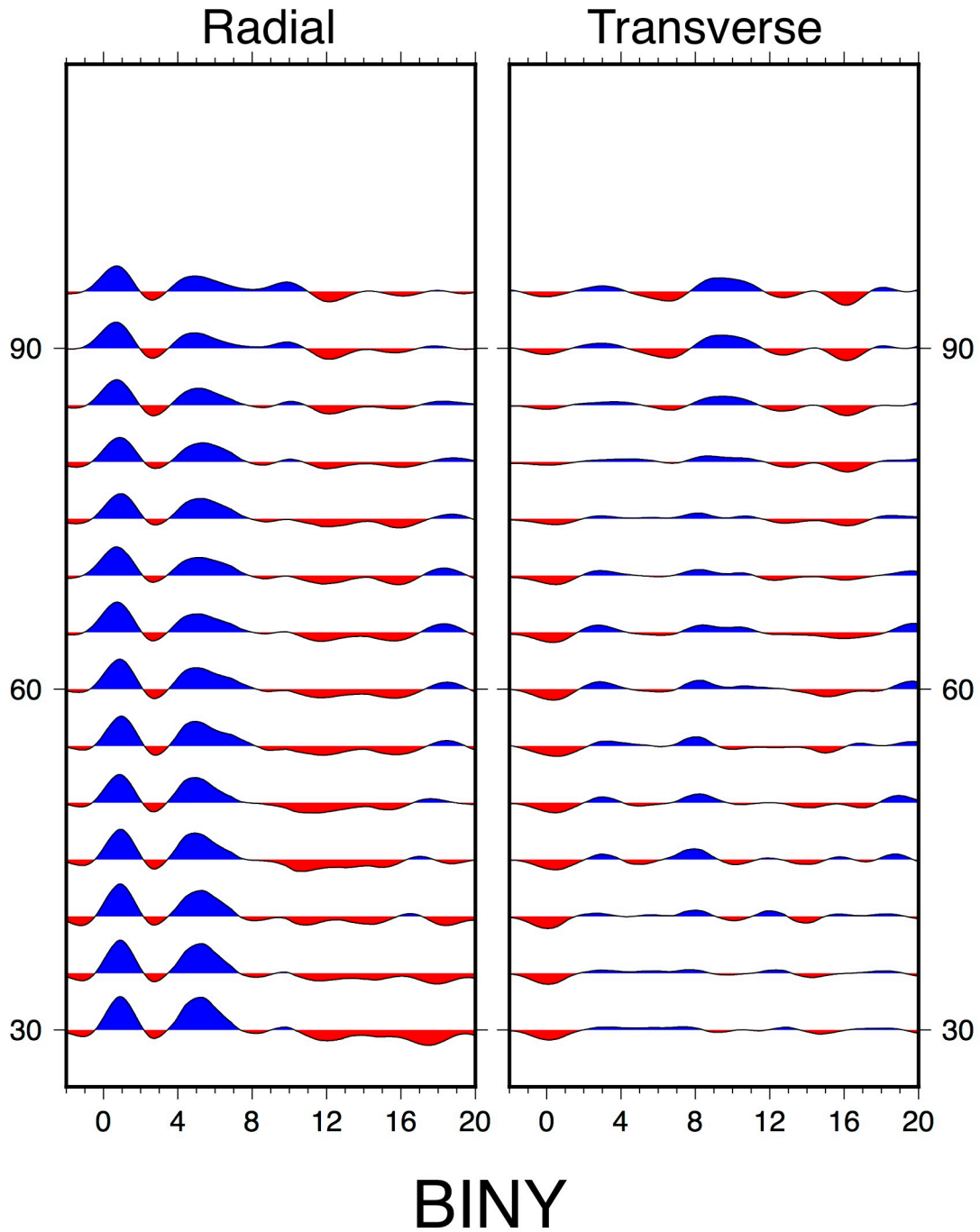


Figure S4

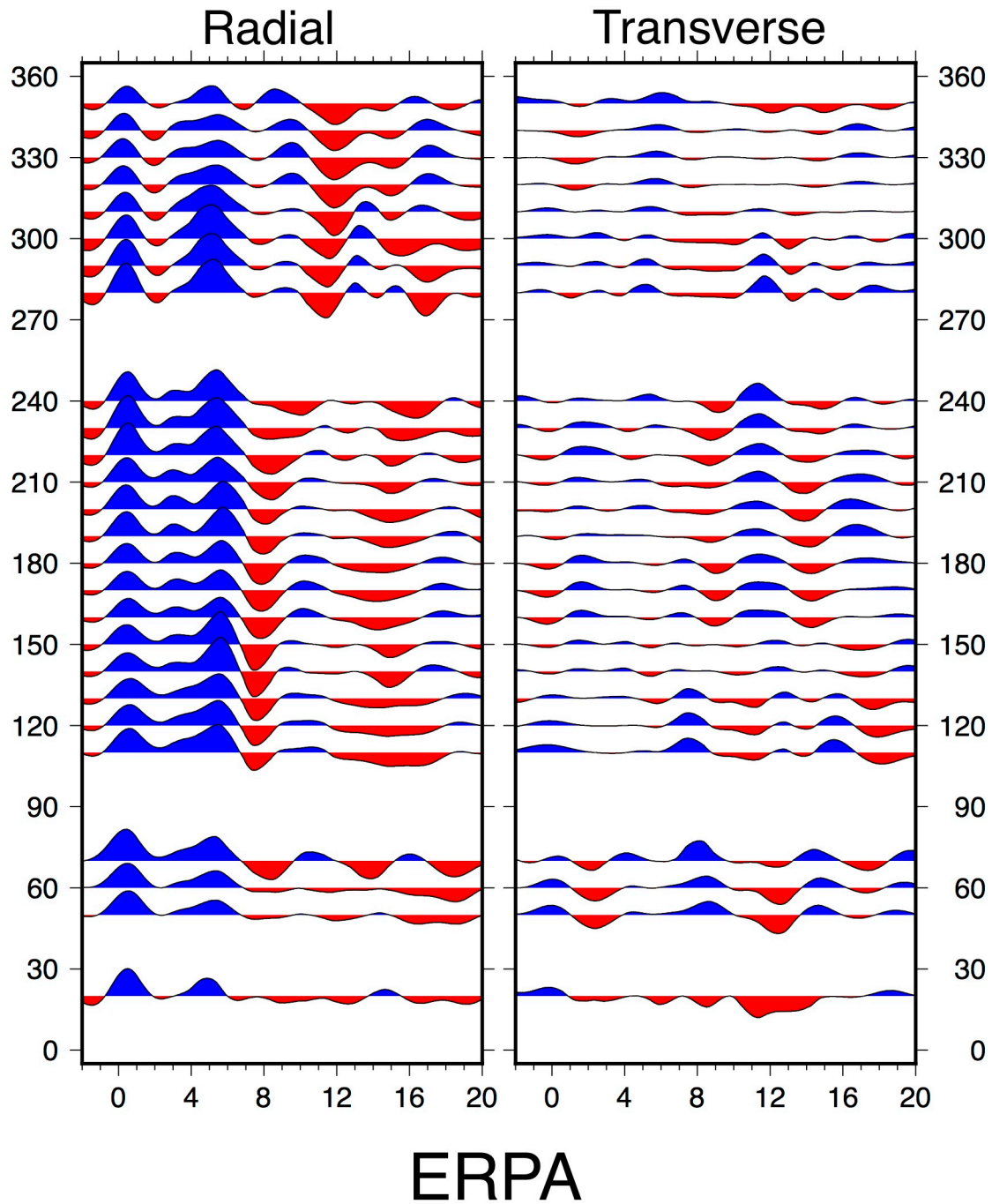


Figure S5

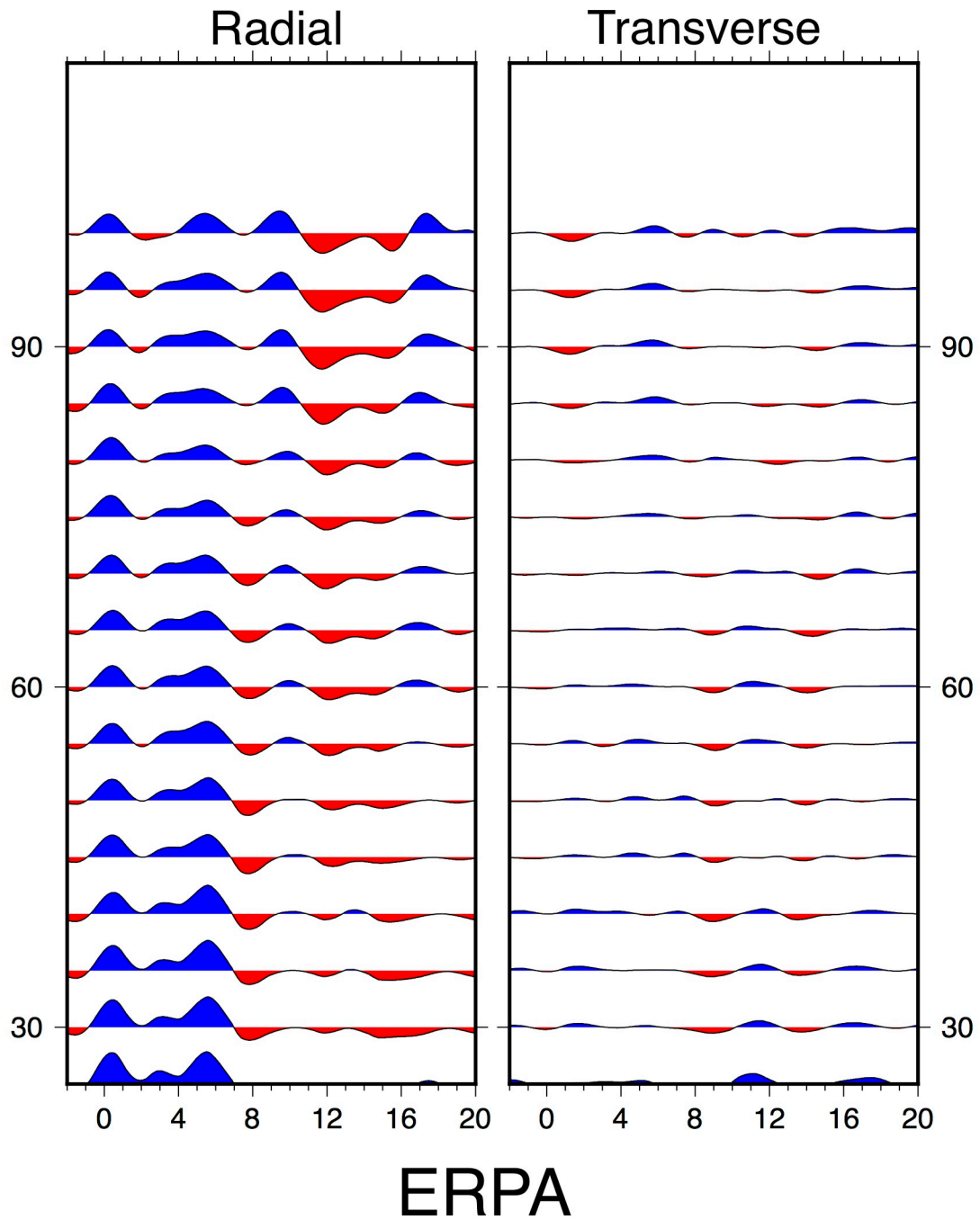


Figure S6

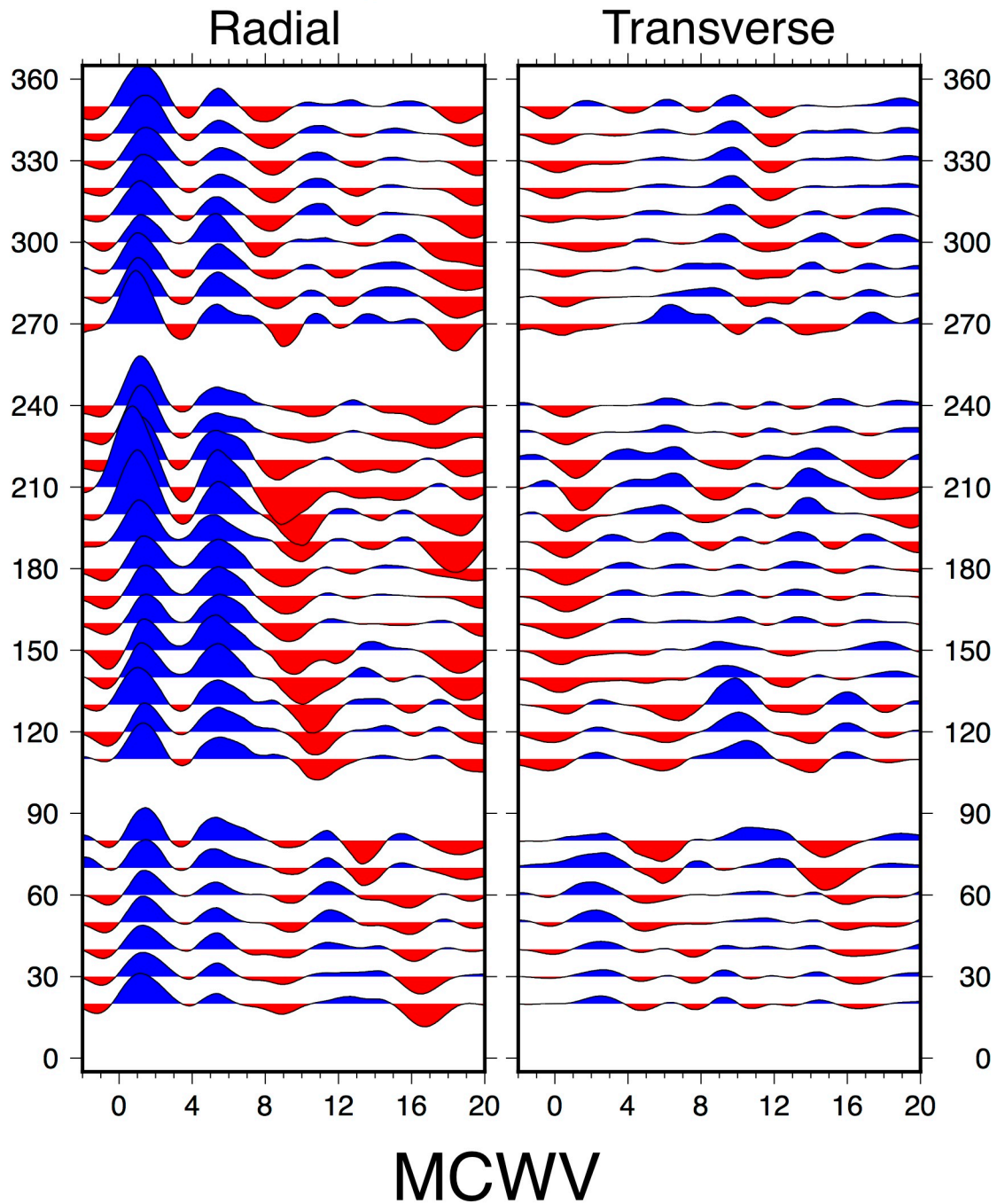


Figure S7

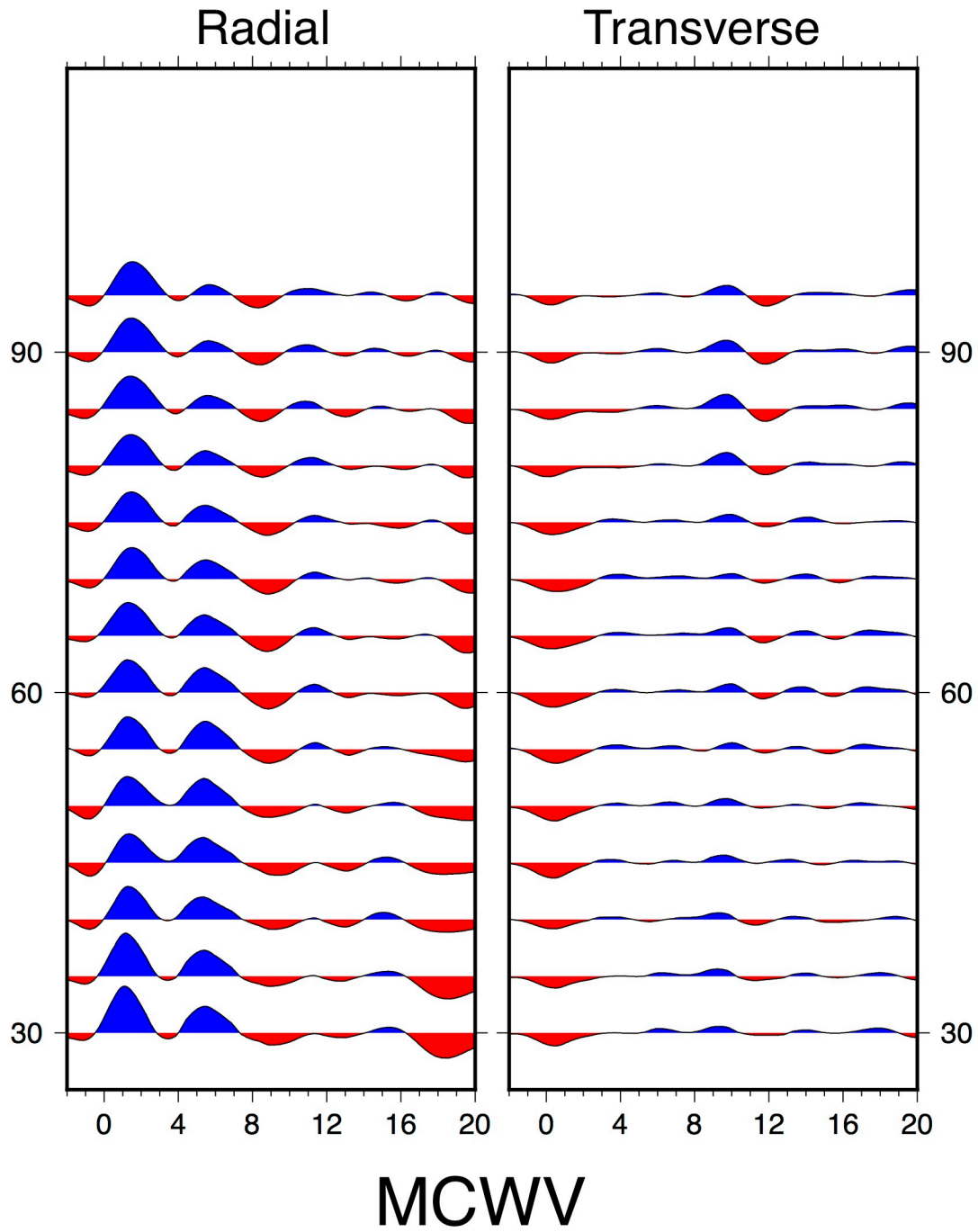


Figure S8

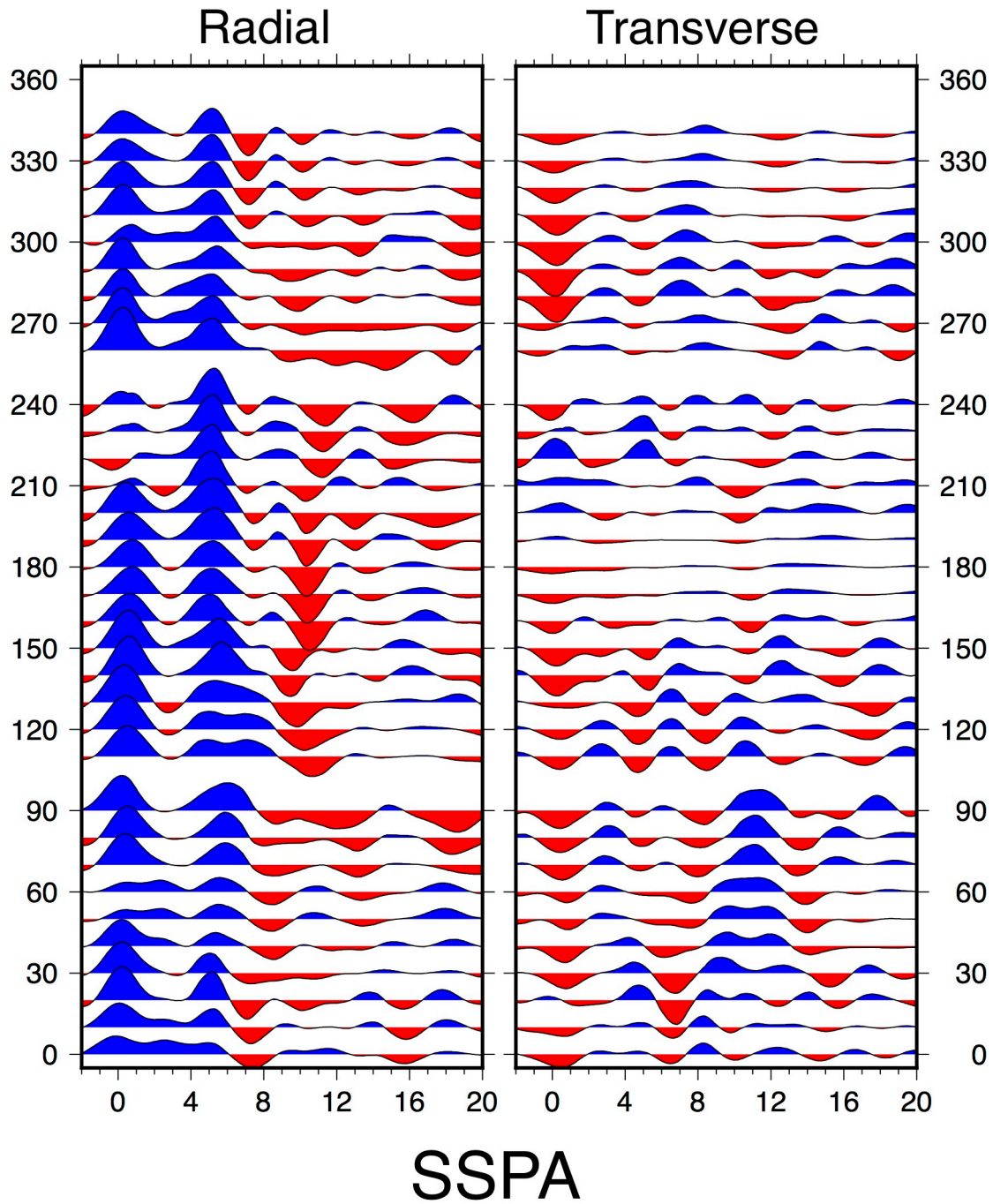


Figure S9

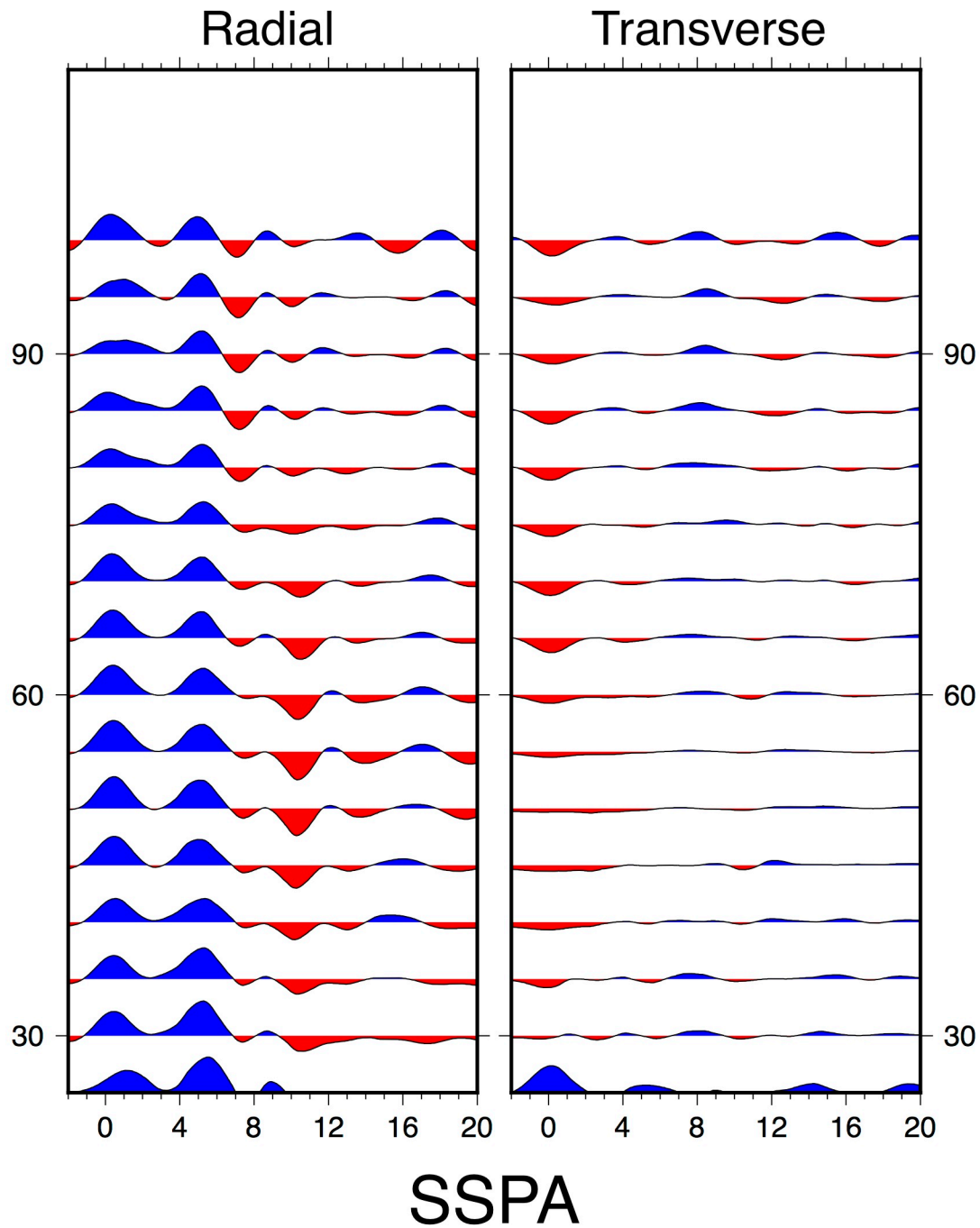


Figure S10

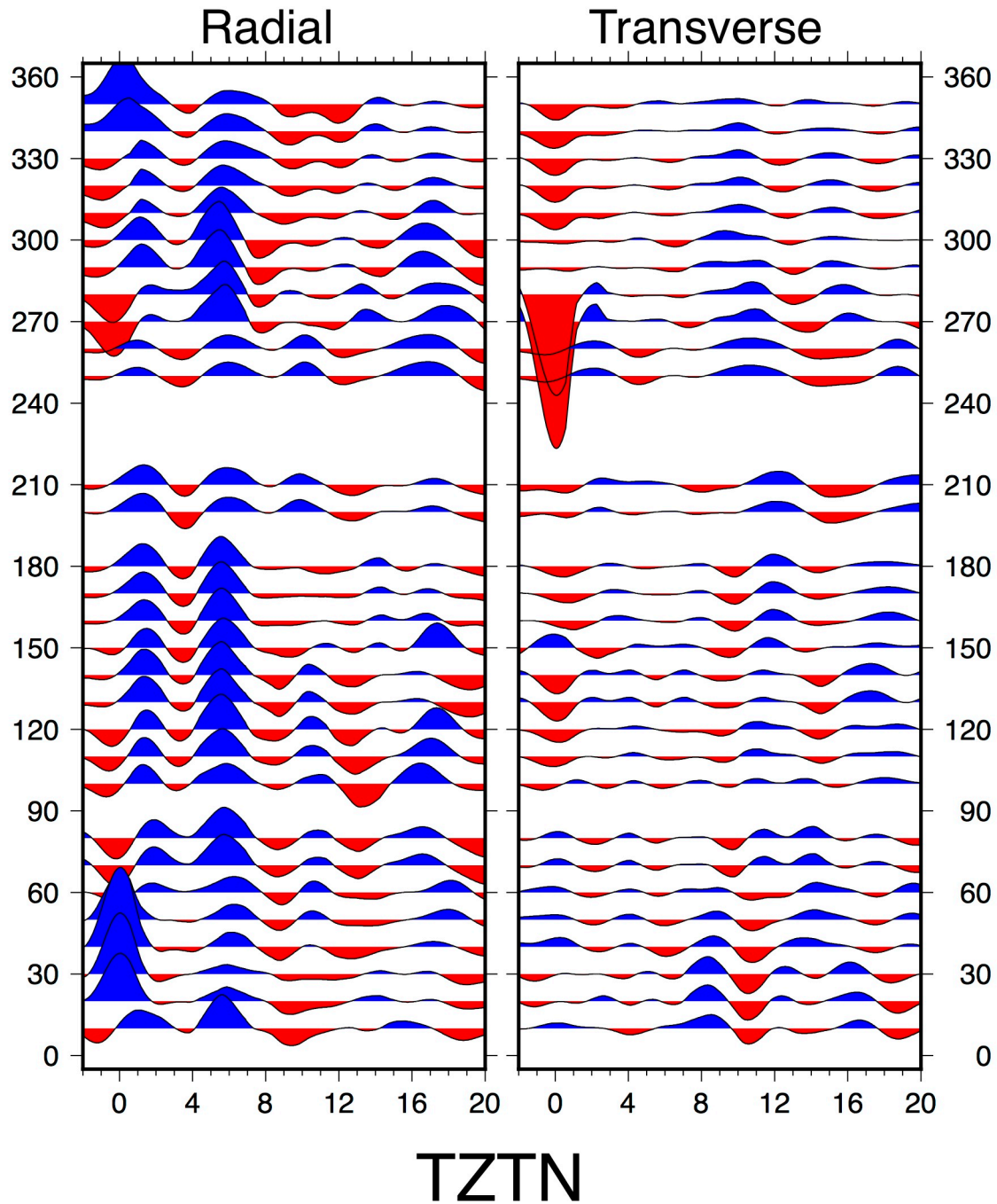


Figure S11

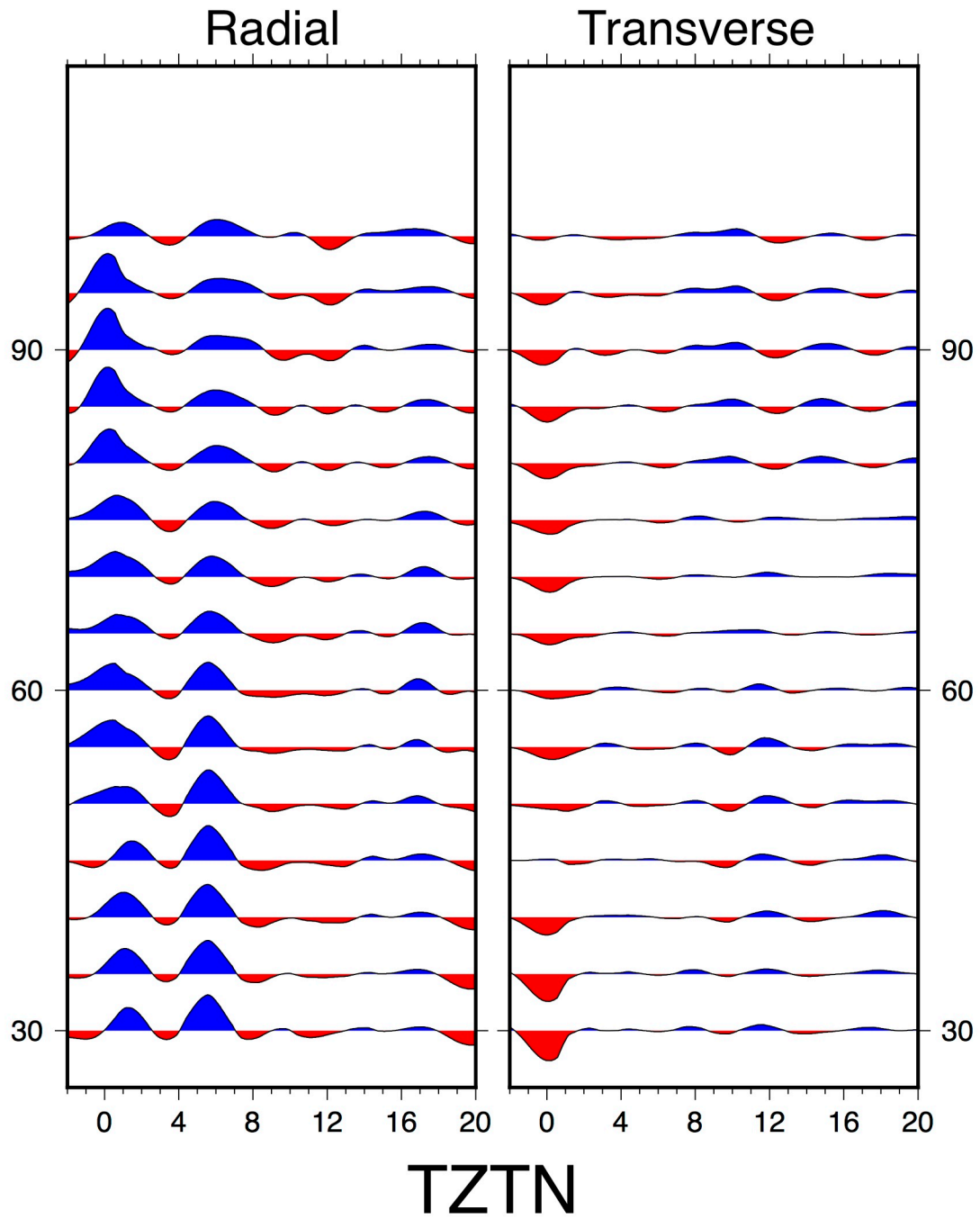


Figure S12