

Web Supplement to “Global seismic maps”, by J. Ritsema

Figure 1: Whole-mantle cross-sections through S20RTS. The blue line on the globe indicates the surface projection of the cross-section. Its center and azimuth (clockwise from north at the center) are indicated in the lower-right corner. Circles on this line and ticks on the cross-section are 30° apart. In regions colored red (blue) the shear velocity is lower (higher) than the average shear velocity at that depth. To bring out the relatively weak, shear velocity variations in the mid-mantle, the total variation in shear velocity is 3%. However, lateral velocity variations in the uppermost mantle are much stronger. Triangles indicate the locations of hotspots from the catalog of Sleep (1990). Cross-sections are through Afar at angles of a) 30°, b) 60°, c) 90°, and d) 120°.

Figure 2: As Figure 1 except cross-sections through Easter island.

Figure 3: As Figure 1 except cross-sections through Galapagos.

Figure 4: As Figure 1 except cross-sections through Hawaii (see also Walker et al., this volume).

Figure 5: As Figure 1 except cross-sections through Hoggar (see also Liégeois et al., this volume).

Figure 6: As Figure 1 except cross-sections through Iceland (see also Björnsson et al., this volume; Clift, this volume; DeLaughter et al., this volume; Foulger et al., this volume; King, this volume; Lundin and Doré, this volume).

Figure 7: As Figure 1 except cross-sections through Kerguelen.

Figure 8: As Figure 1 except cross-sections through Louisville.

Figure 9: As Figure 1 except cross-sections through Reunion.

Figure 10: As Figure 1 except cross-sections through Samoa.

Figure 11: As Figure 1 except cross-sections through Tristan da Cunha (see also Bailey and Woolley, this volume; Fairhead and Wilson, this volume; Vogt and Jung, this volume).

Figure 12: As Figure 1 except cross-sections through Yellowstone (see also Jordan, this volume).

References

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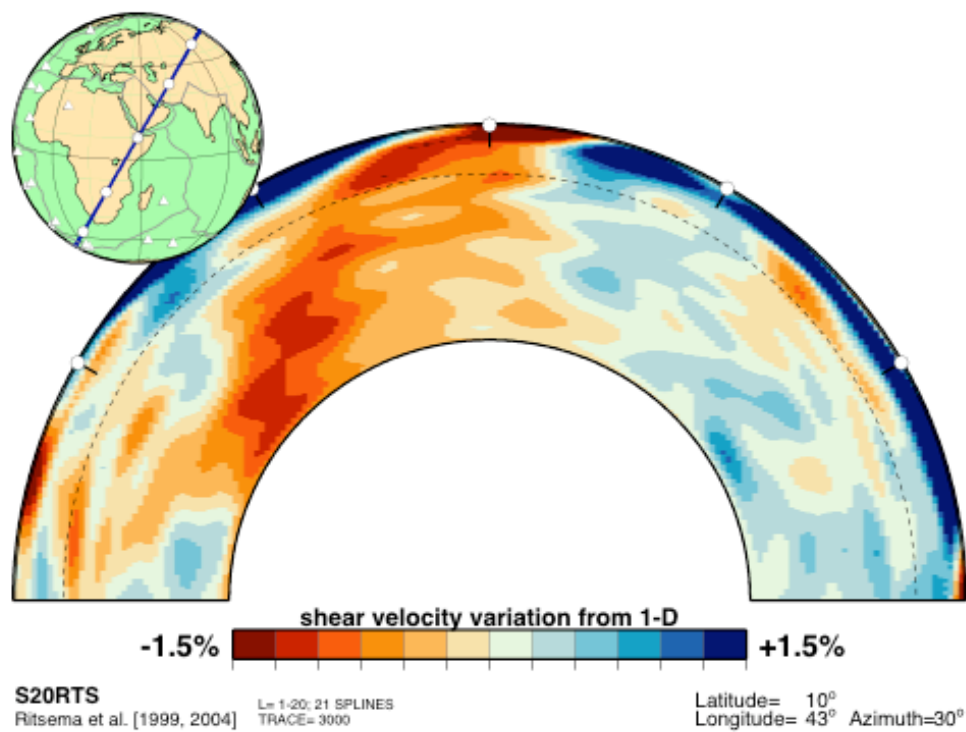


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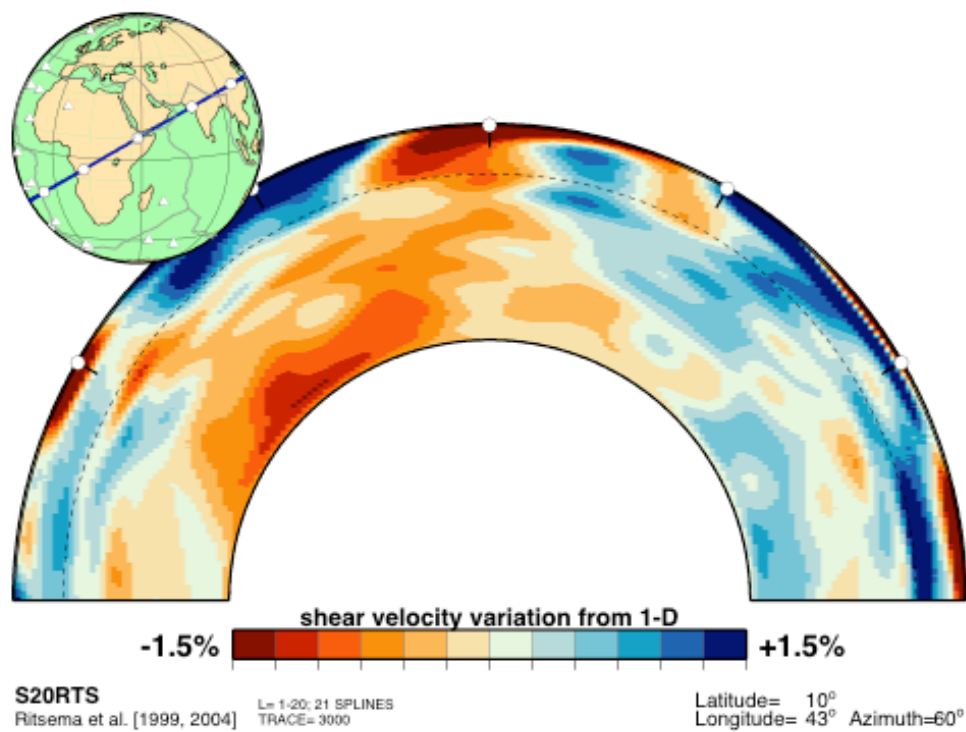


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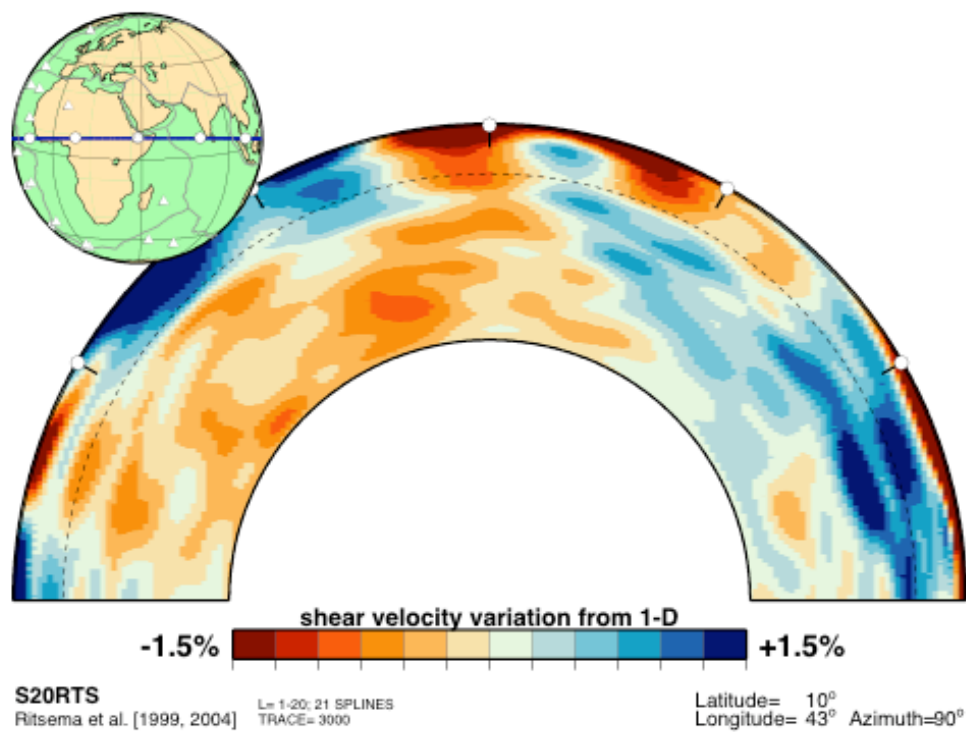


Figure 1c

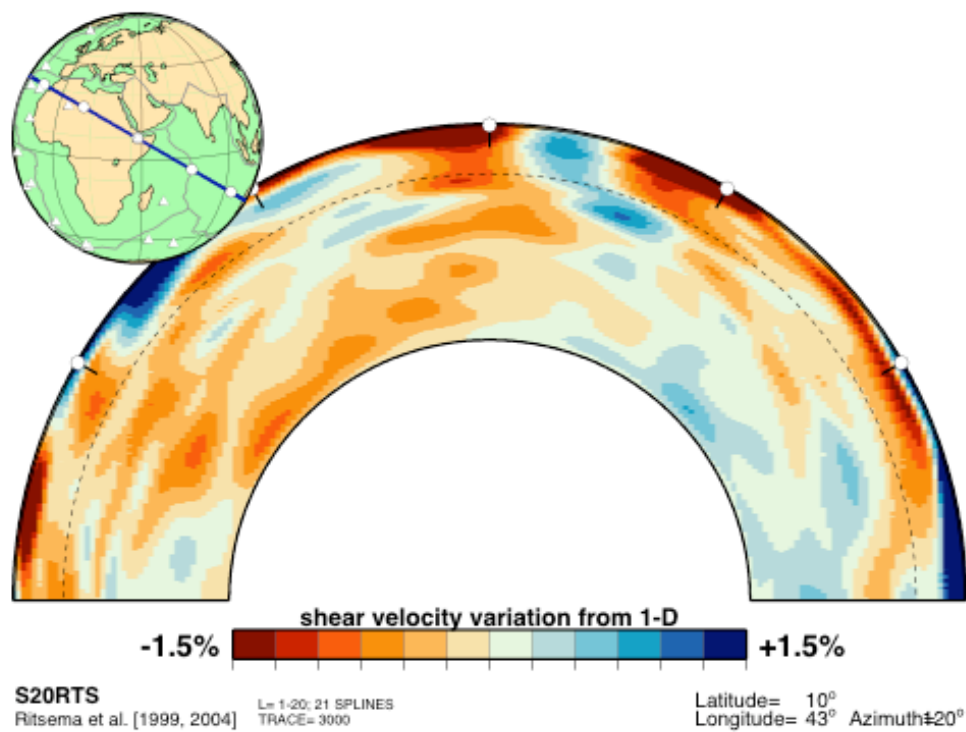


Figure 1d

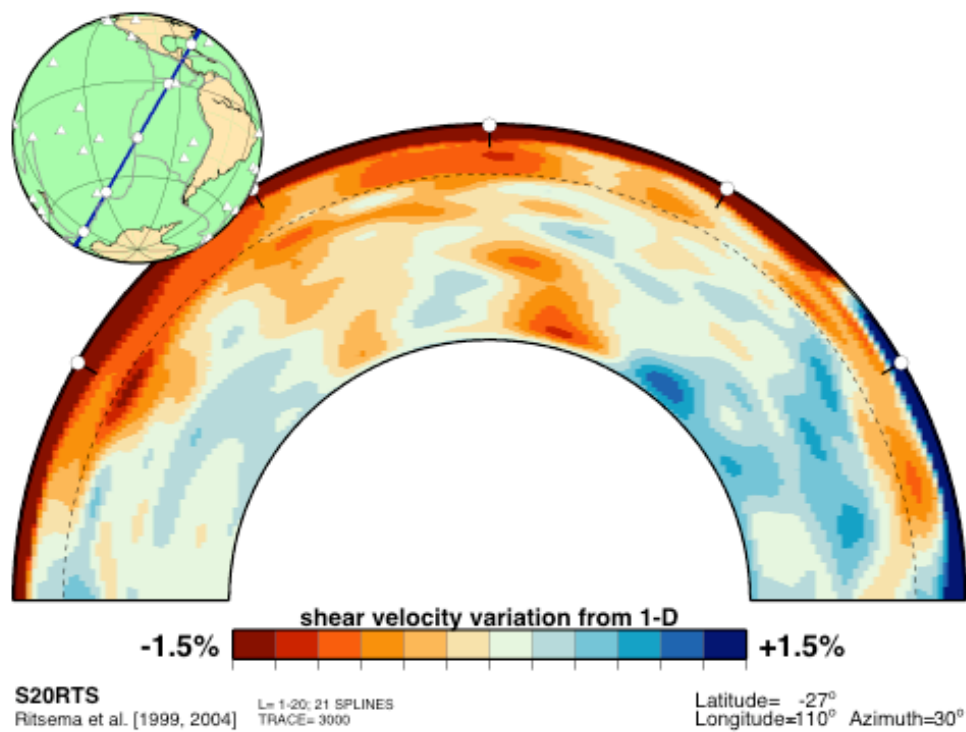


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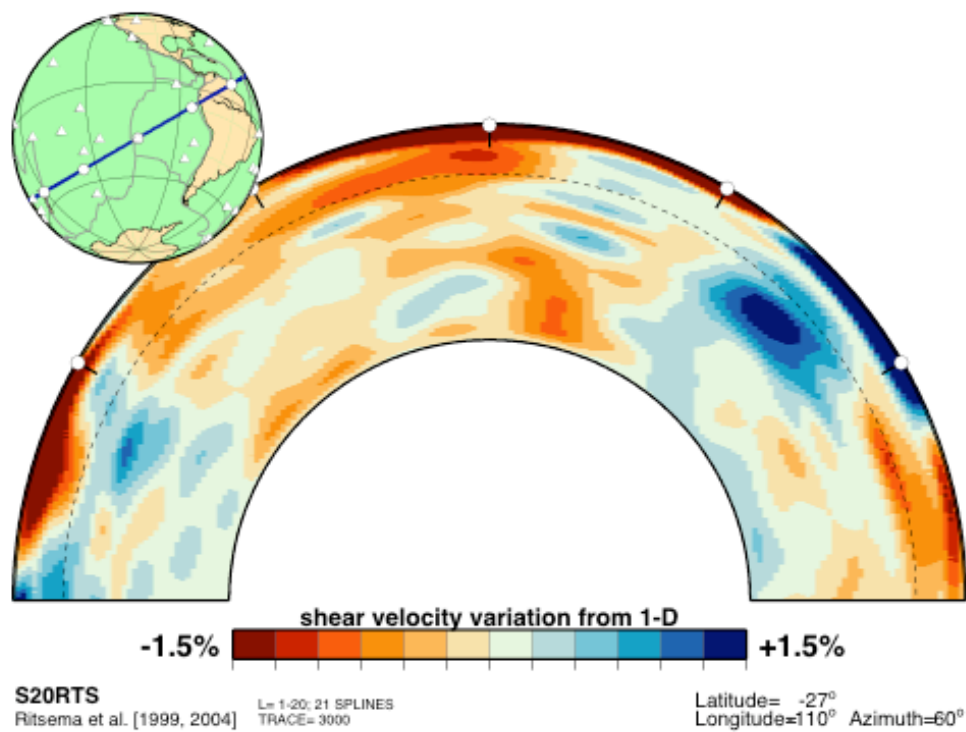


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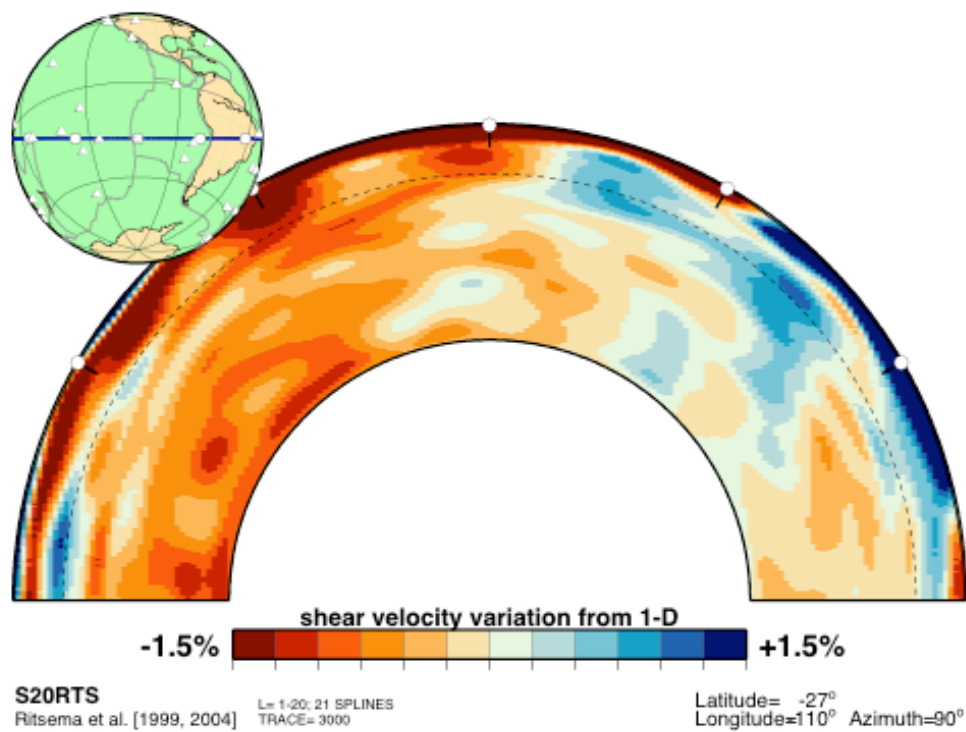


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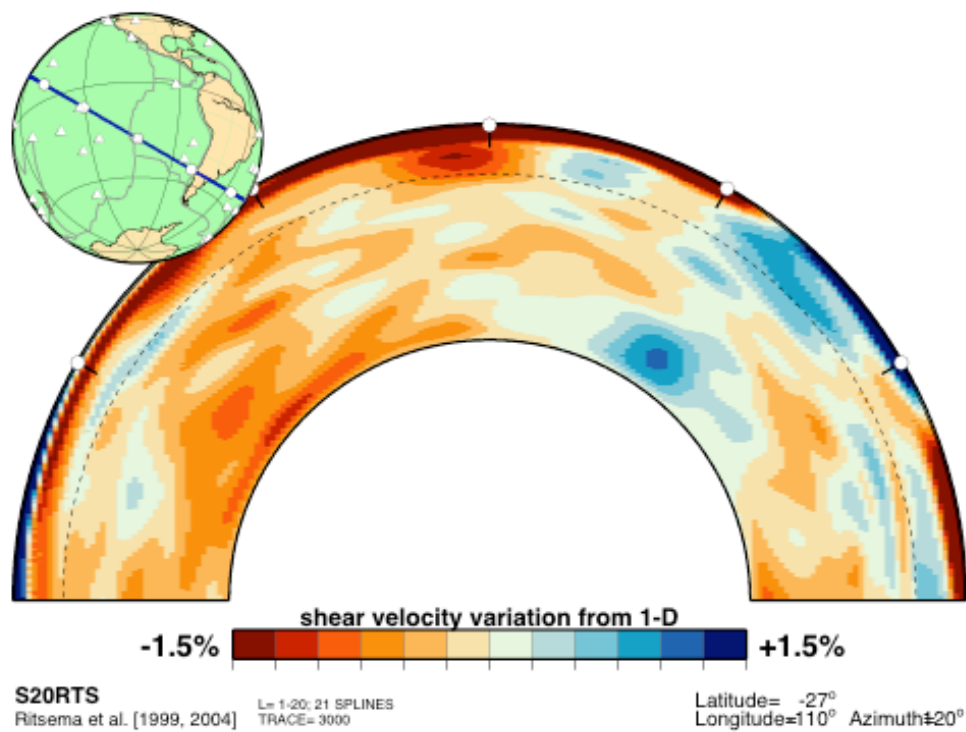


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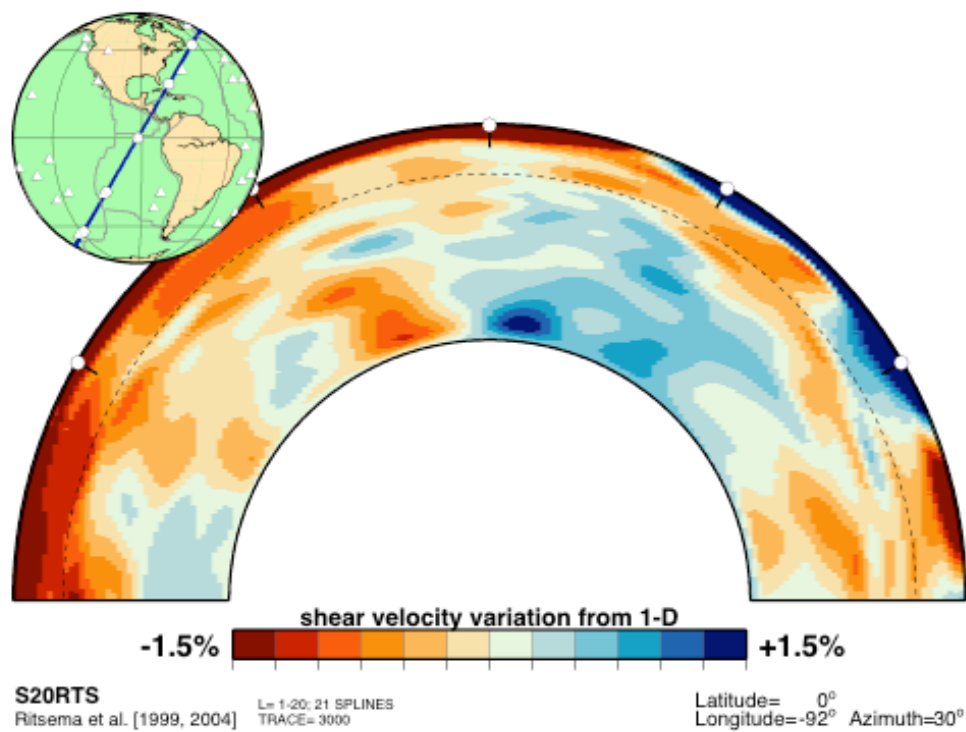


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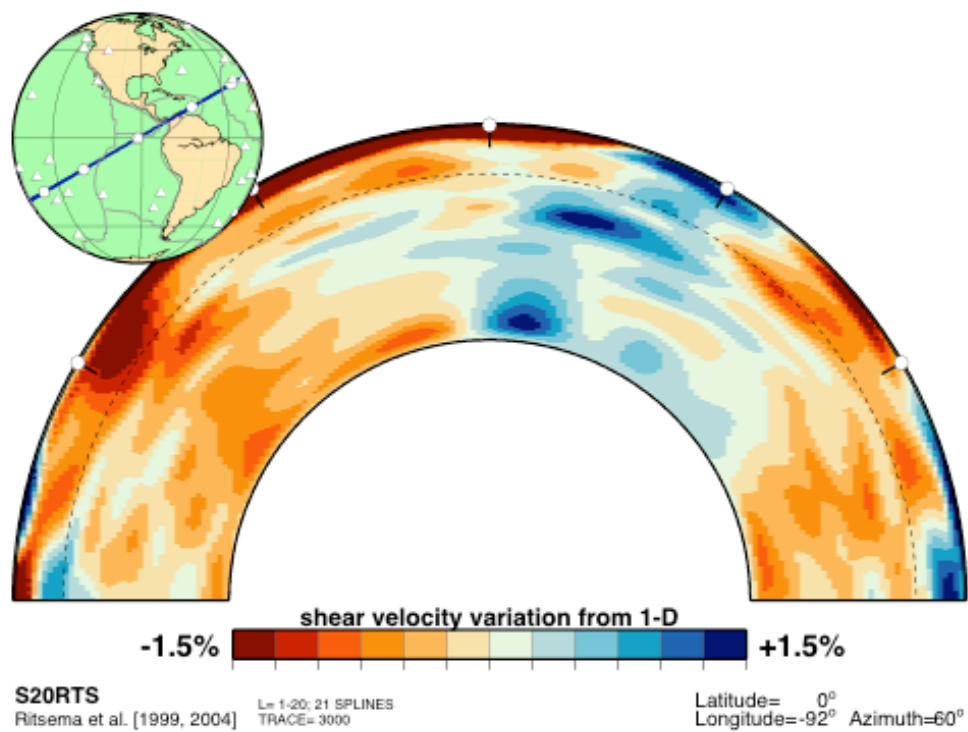


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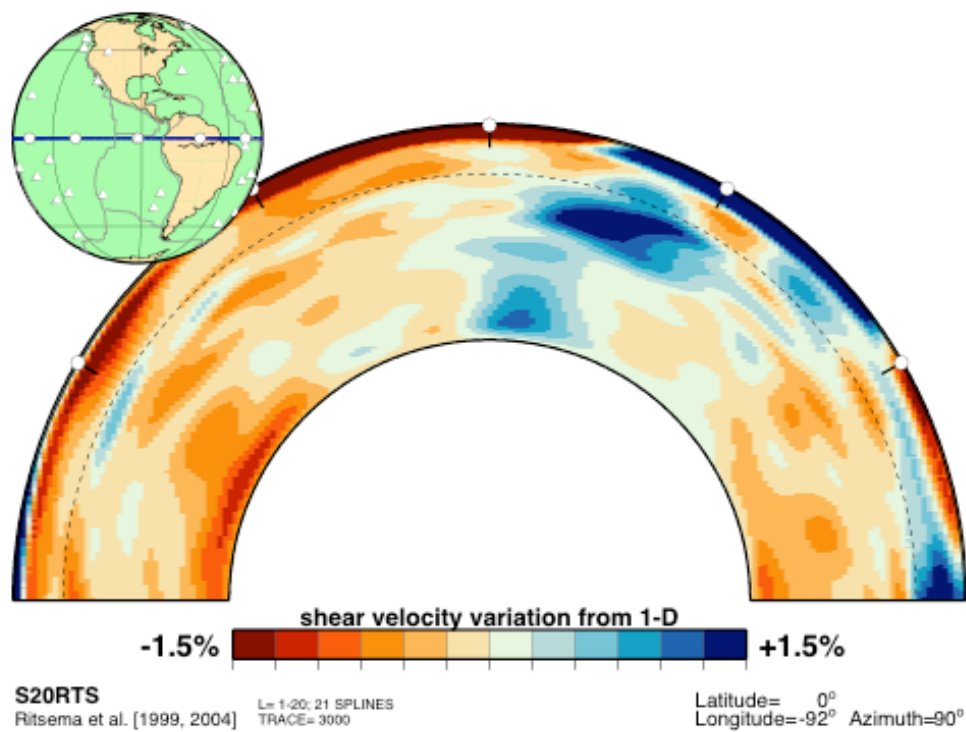


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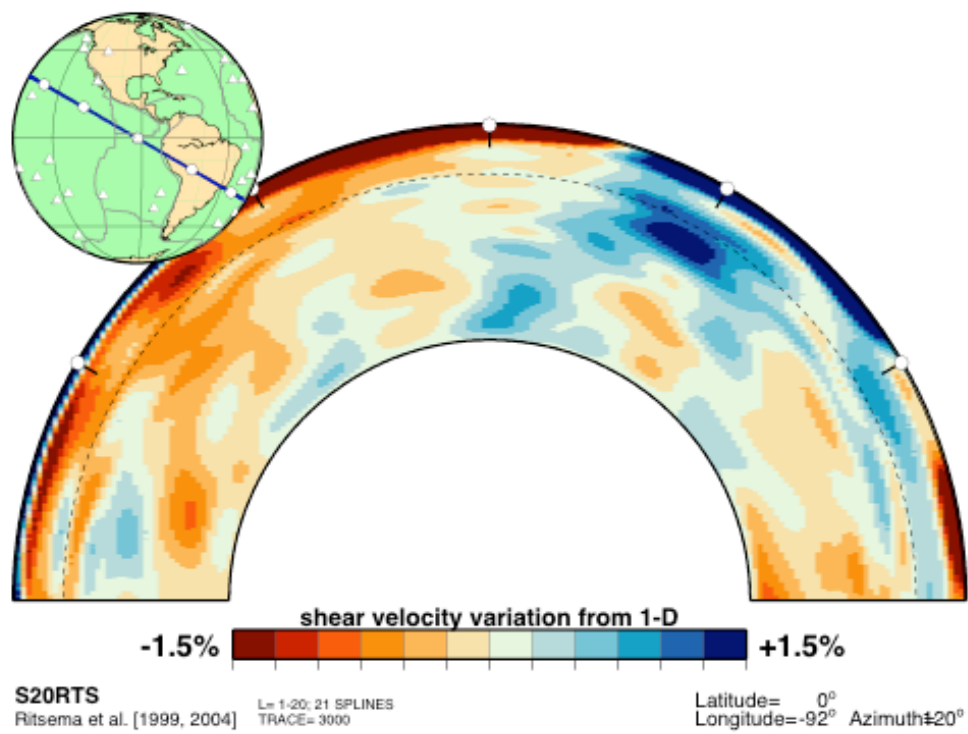


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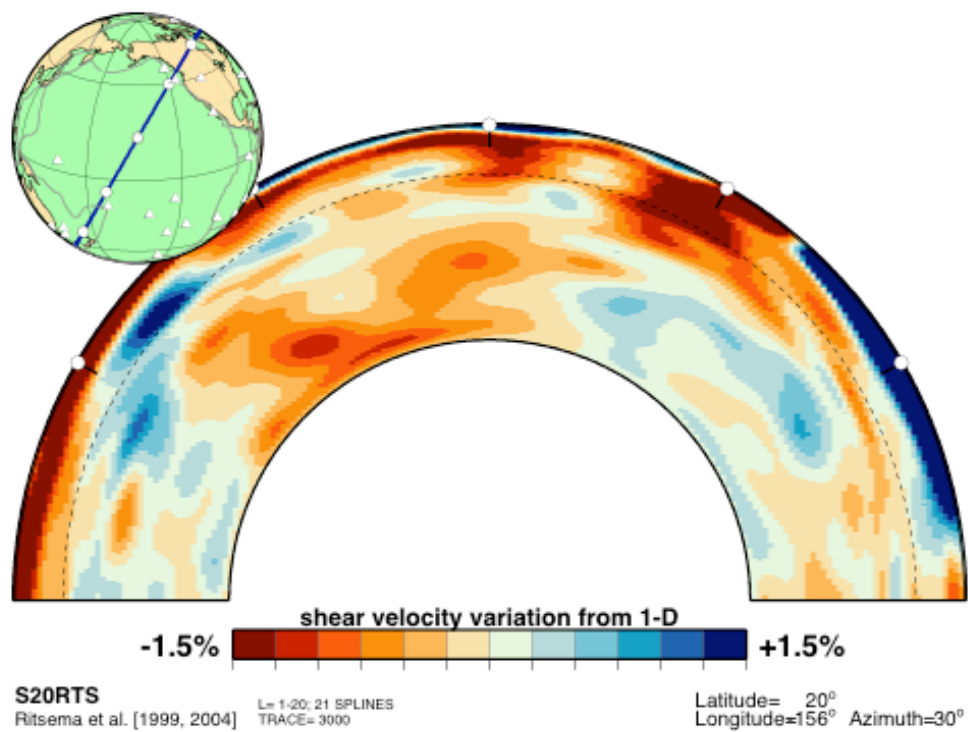


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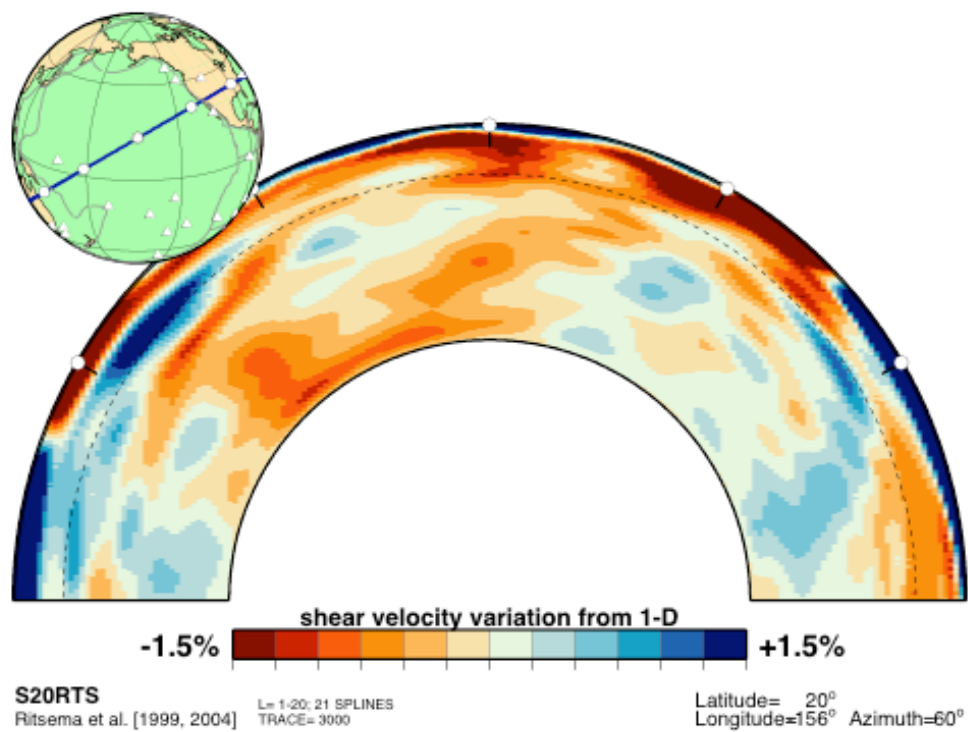


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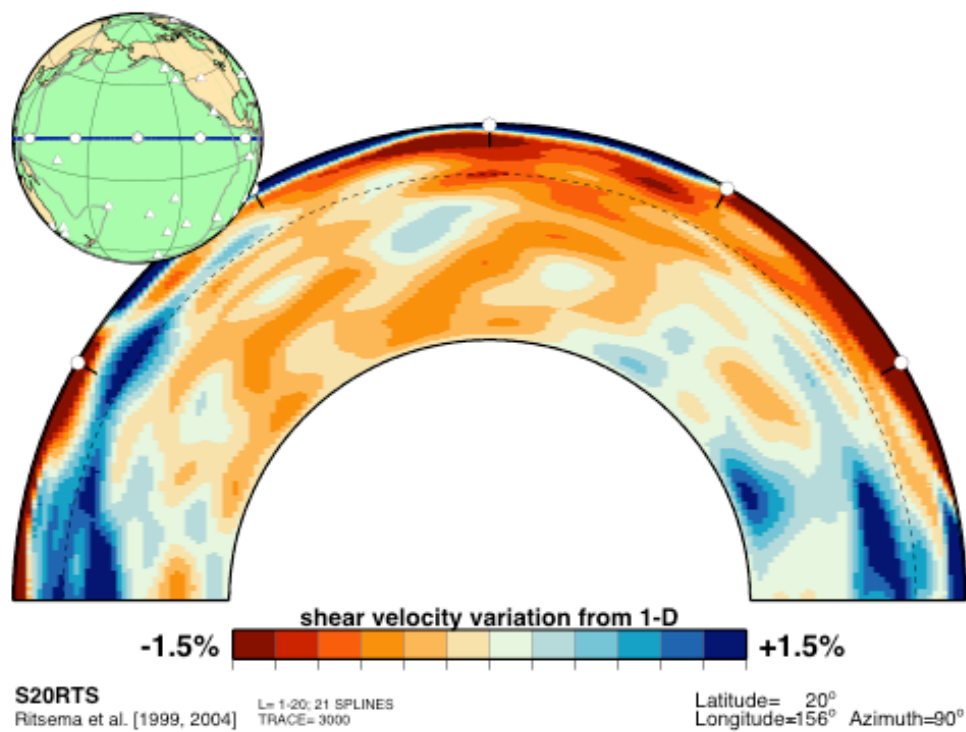


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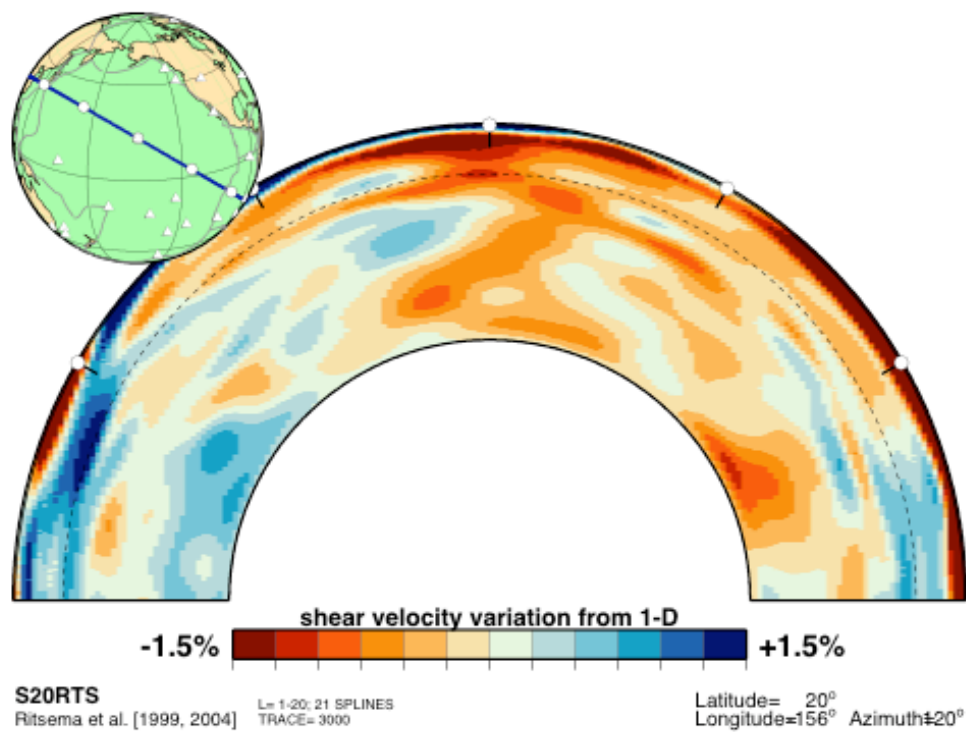


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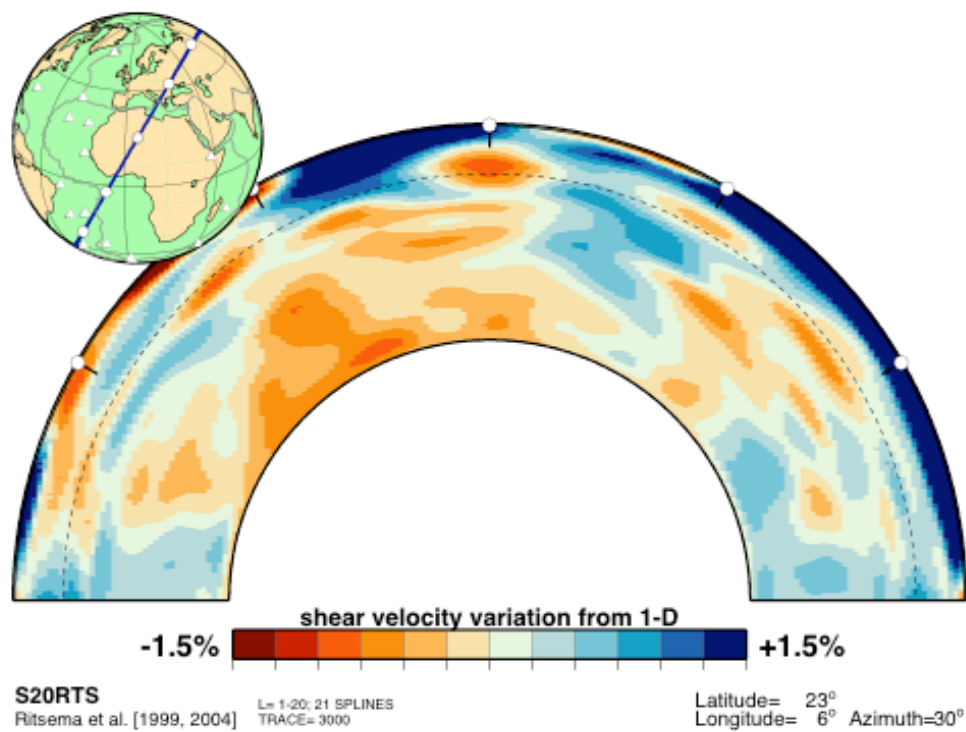


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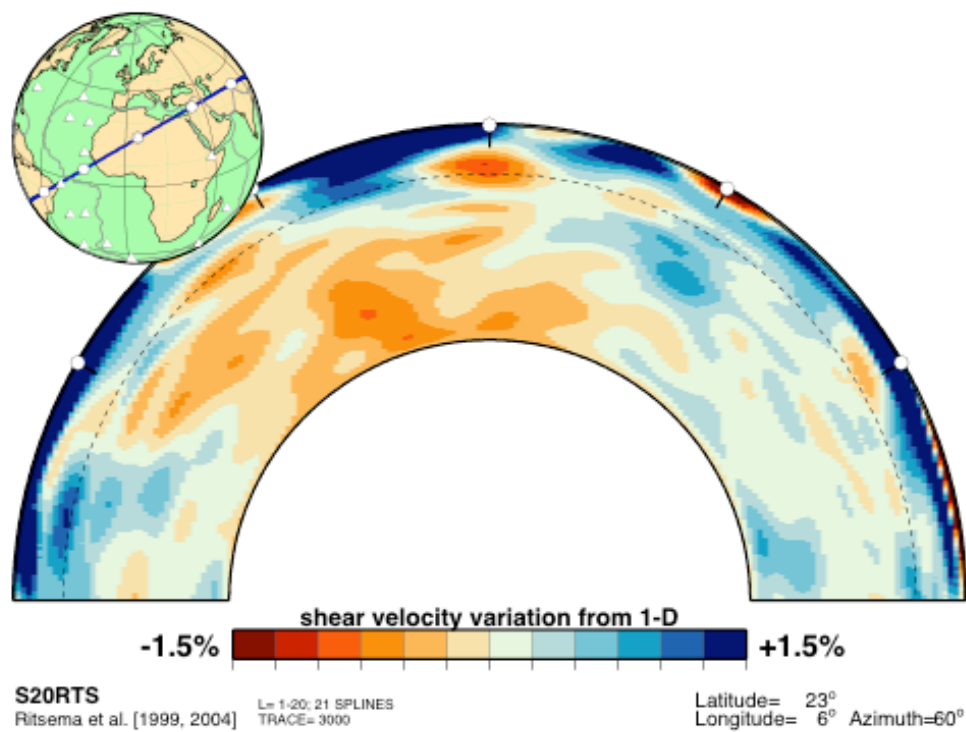


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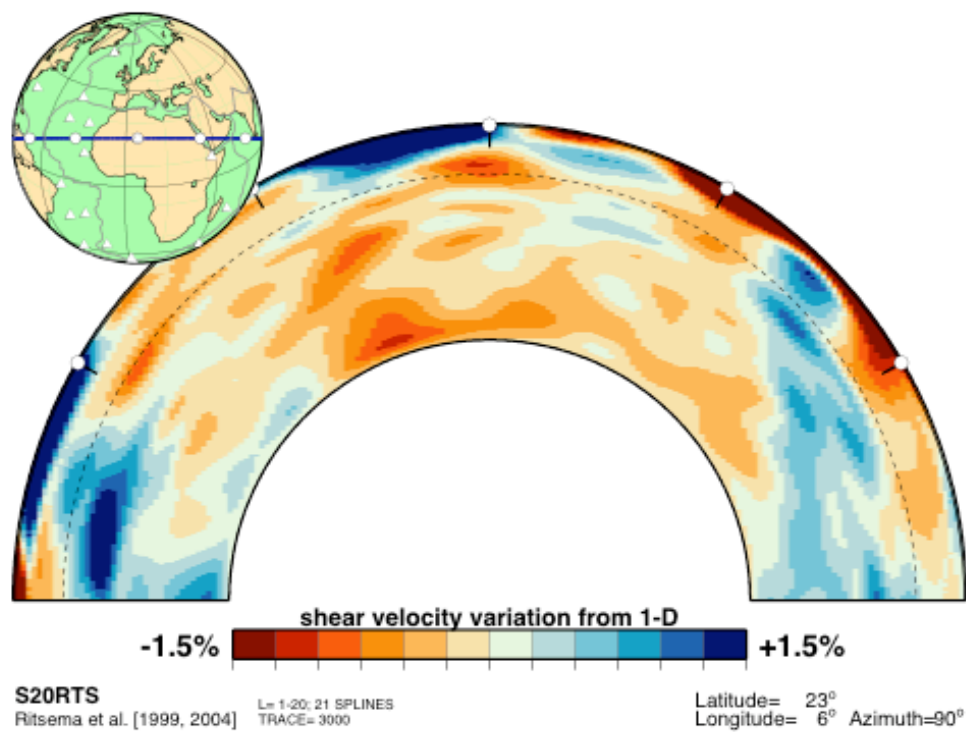


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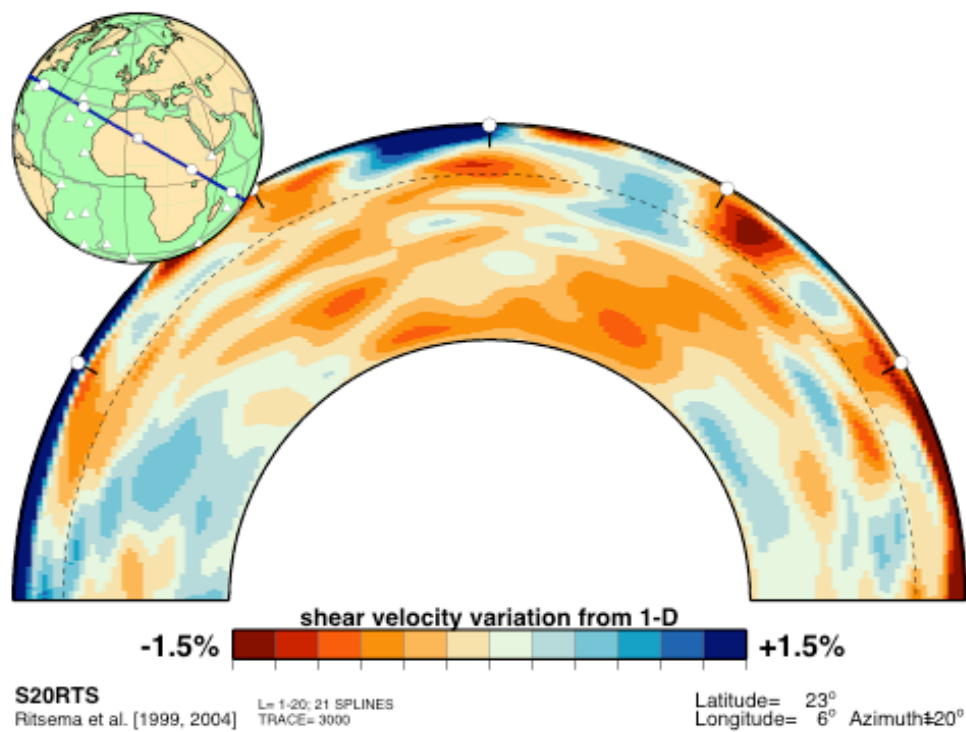


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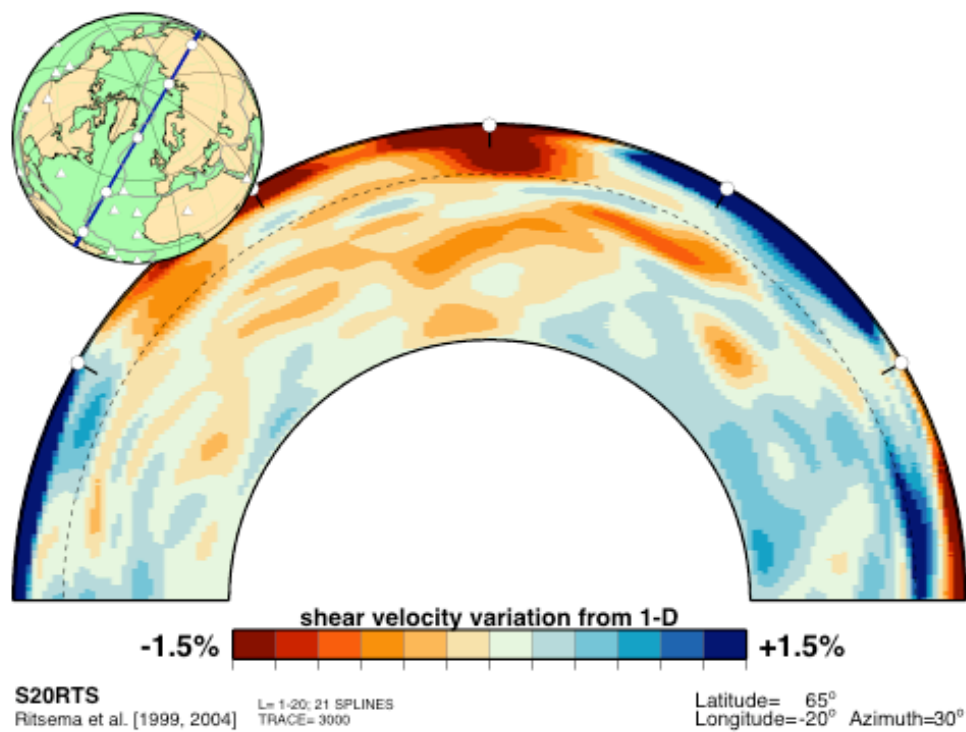


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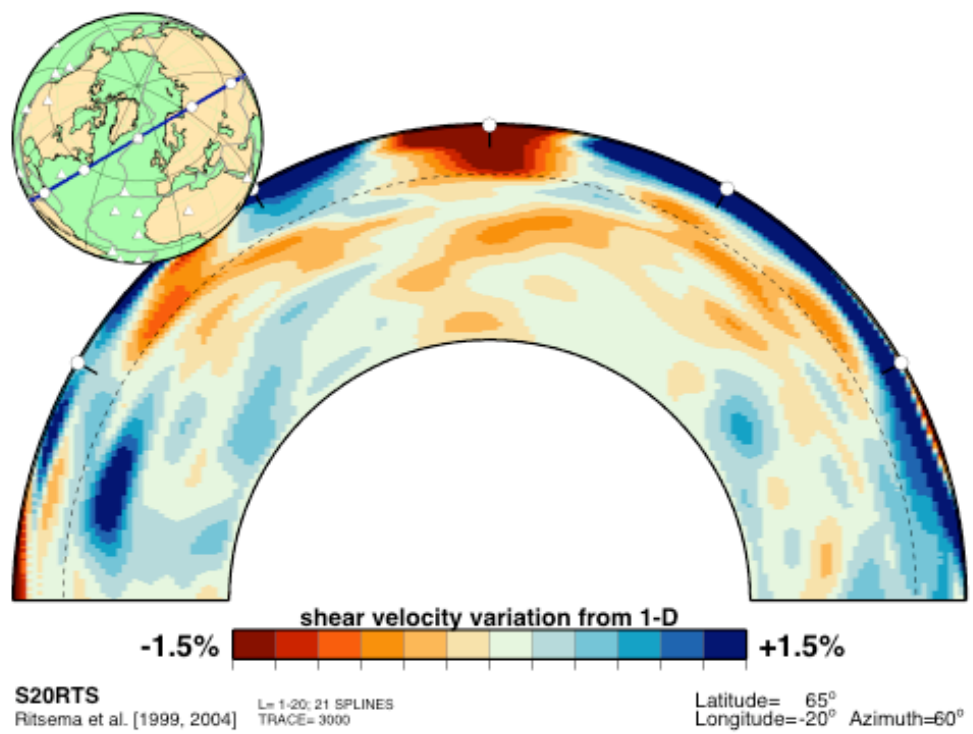


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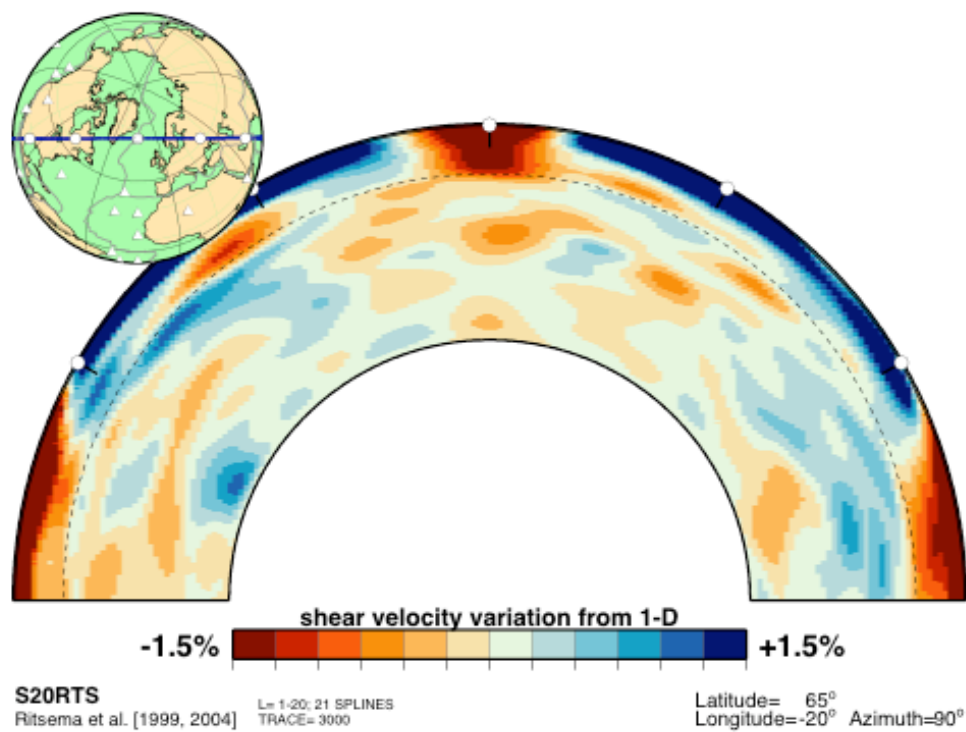


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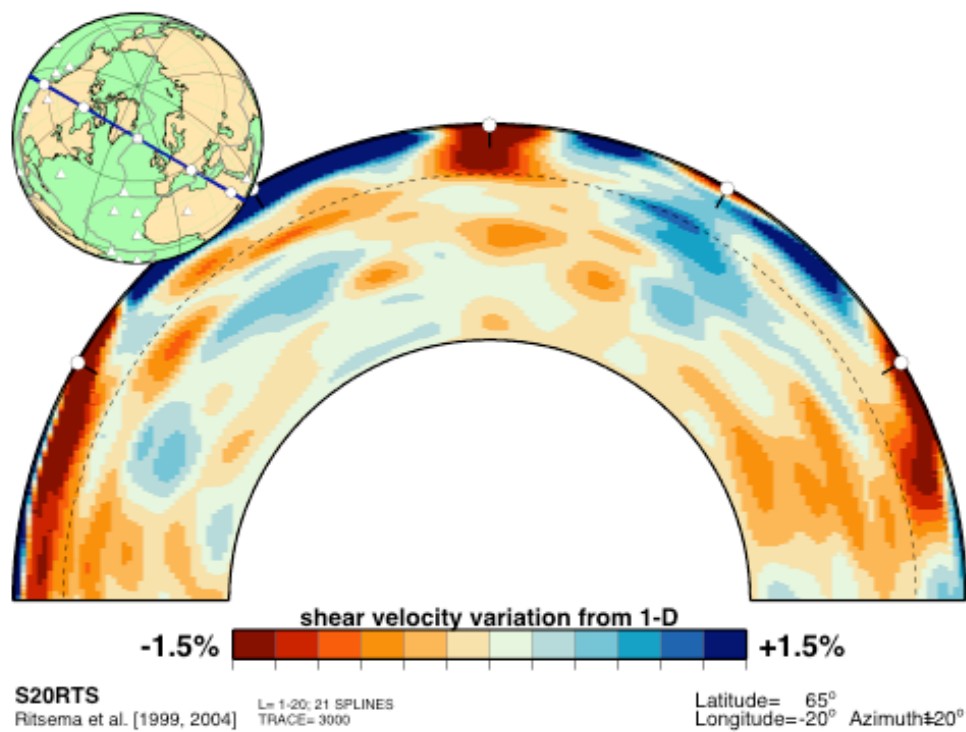


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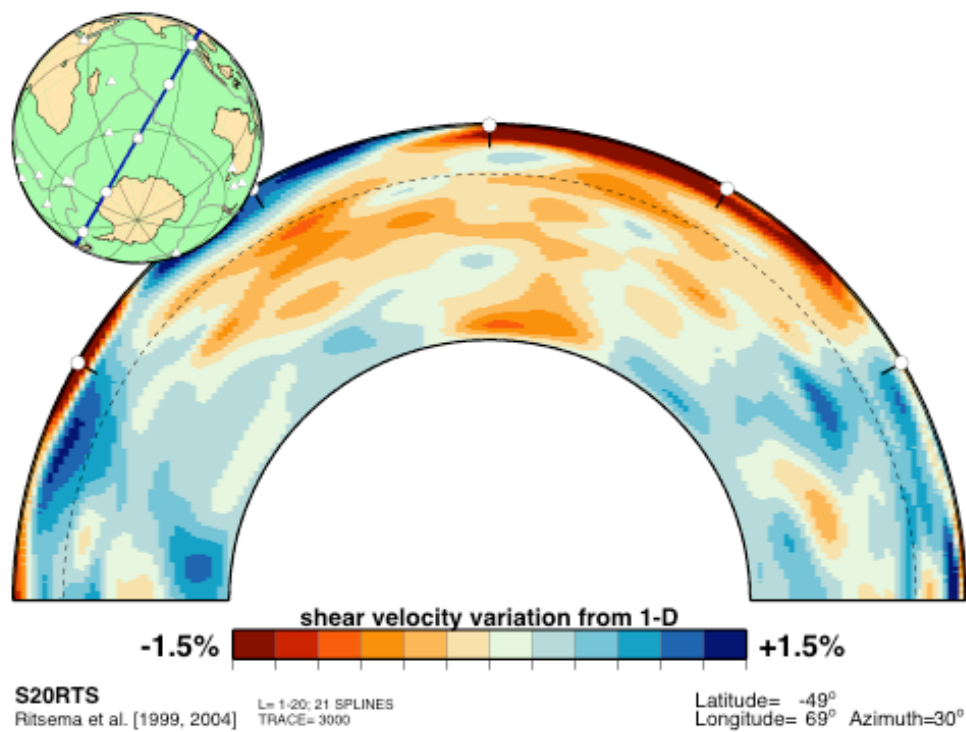


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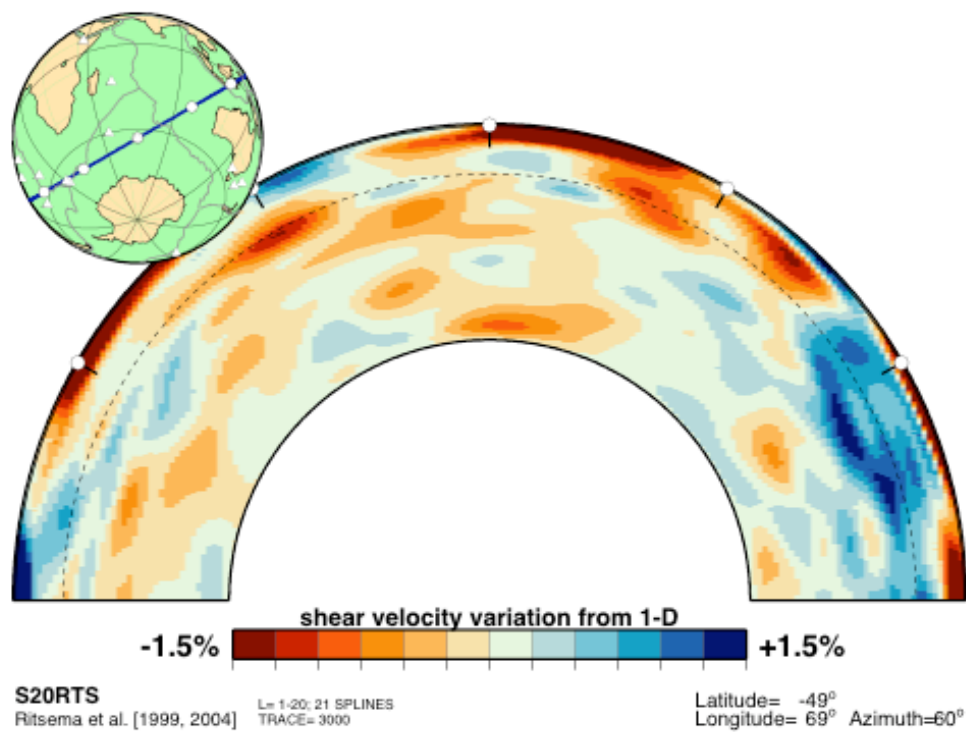


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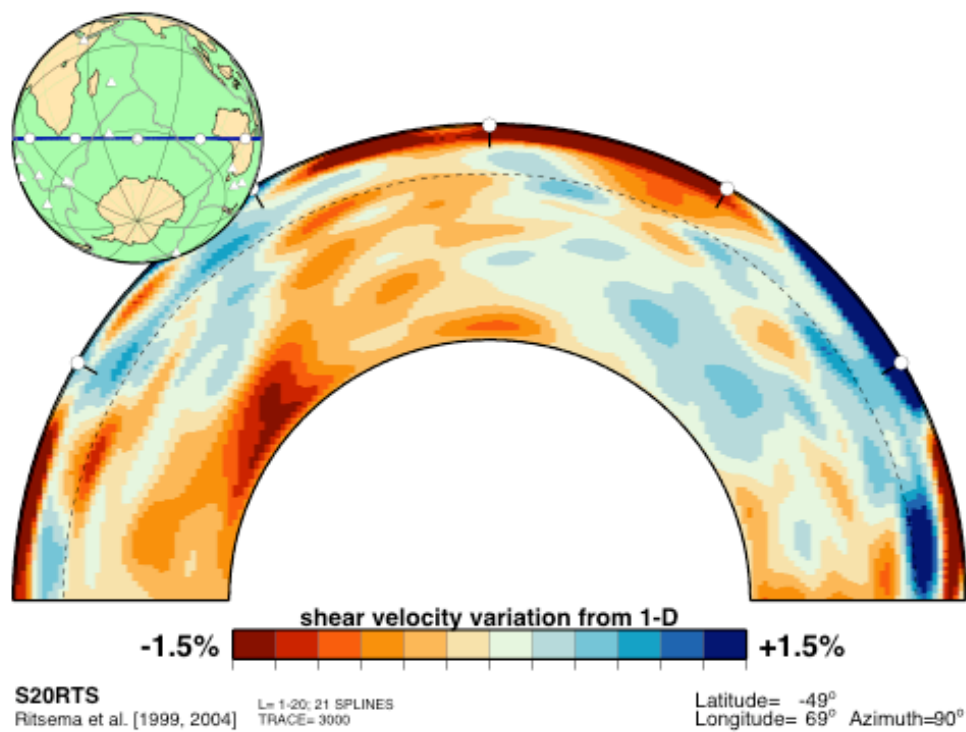


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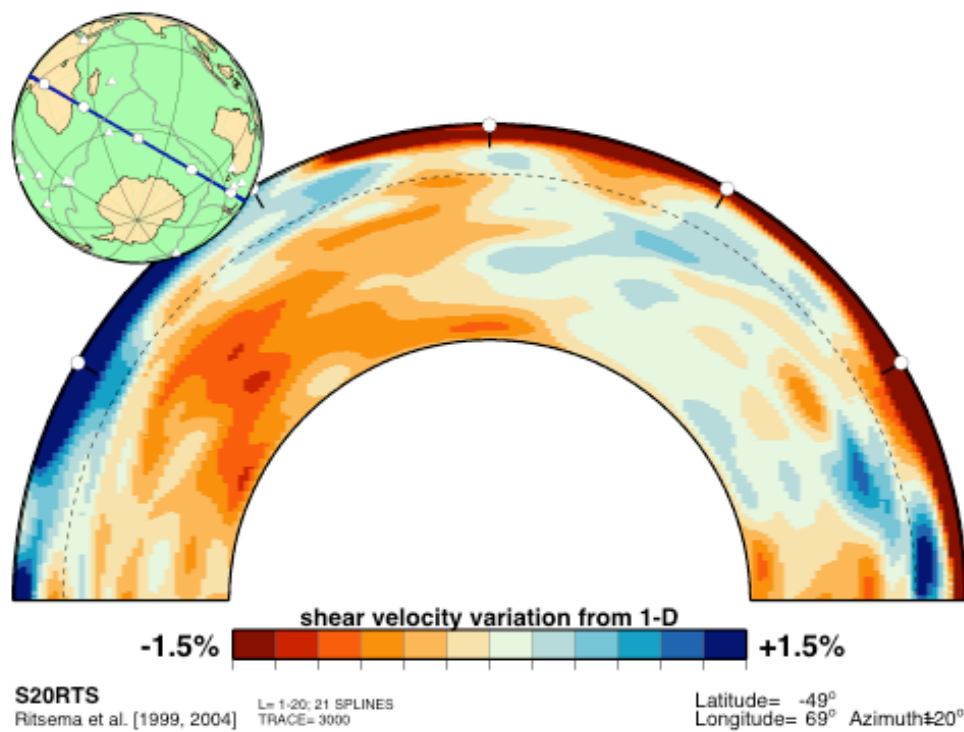


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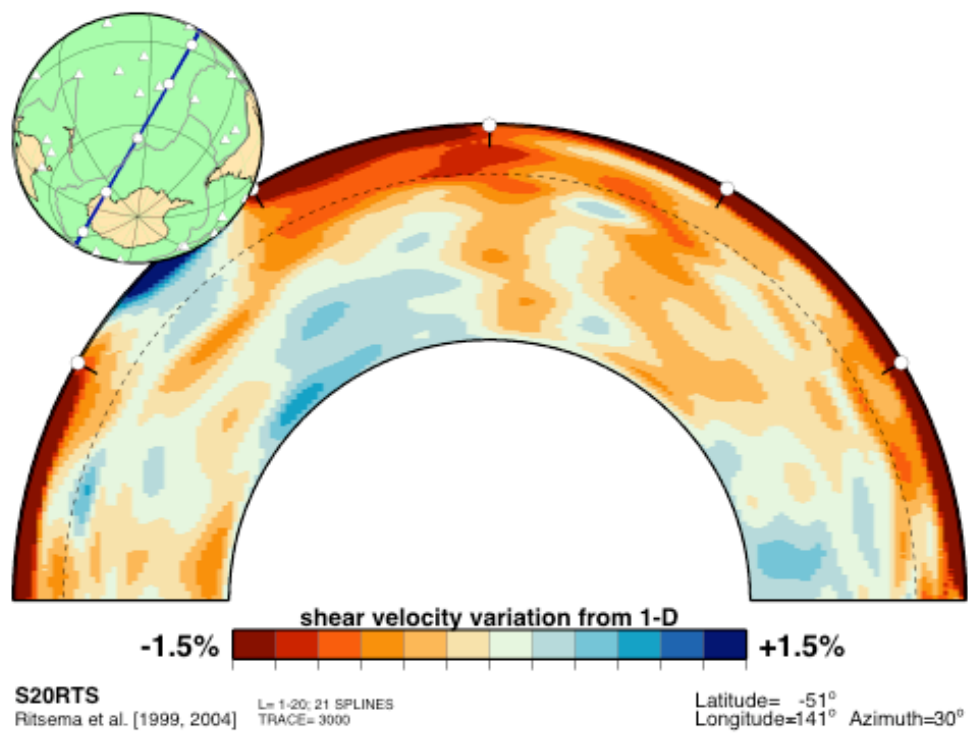


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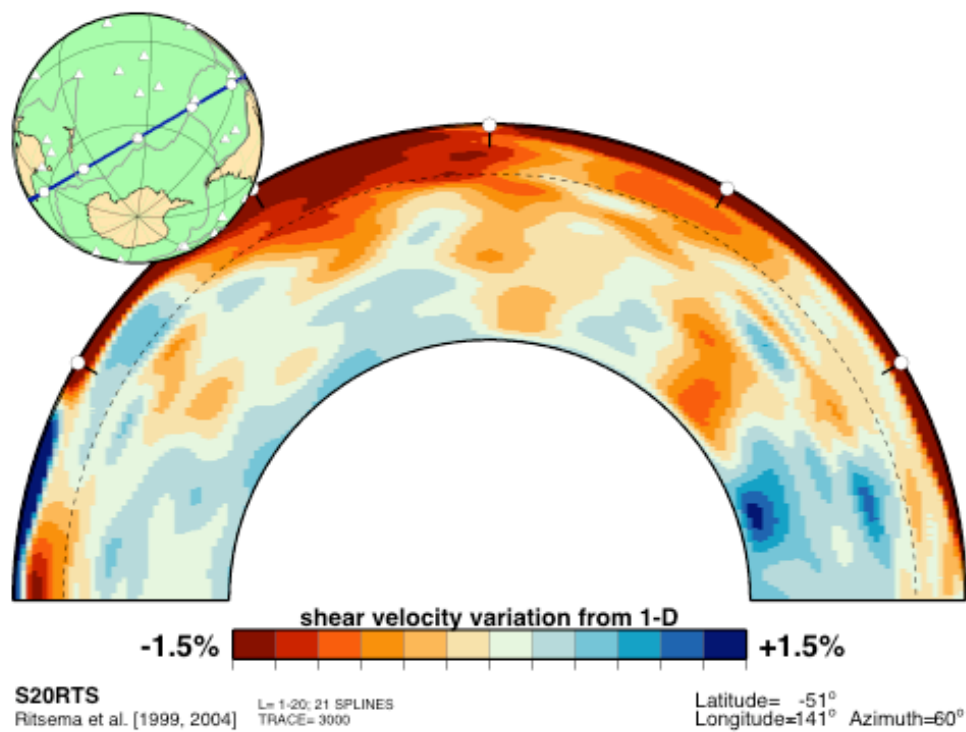


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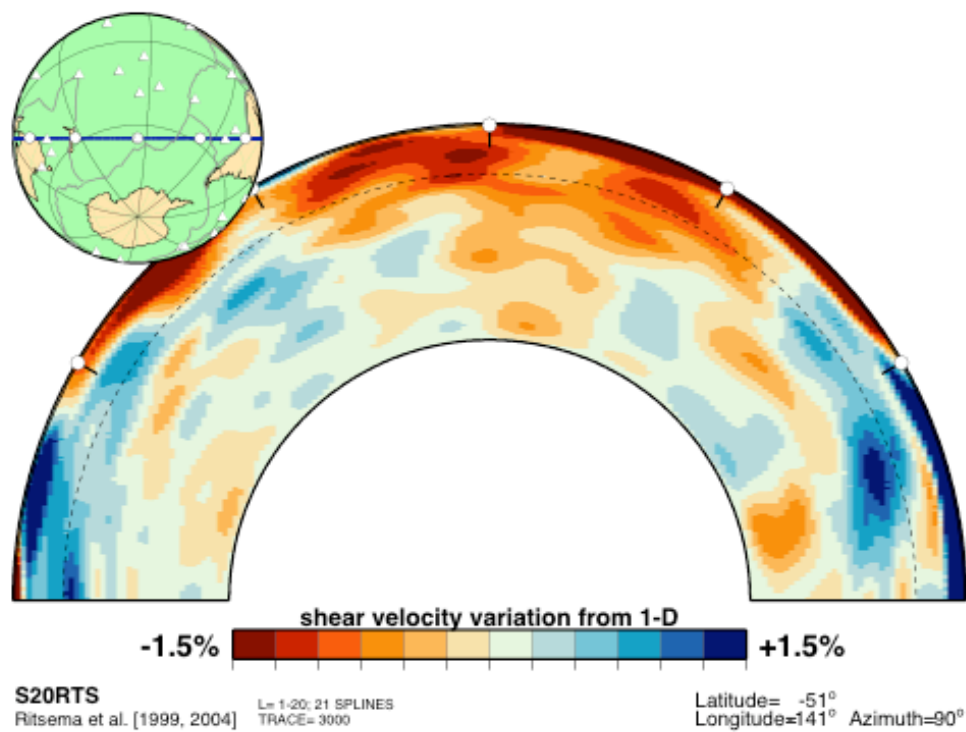


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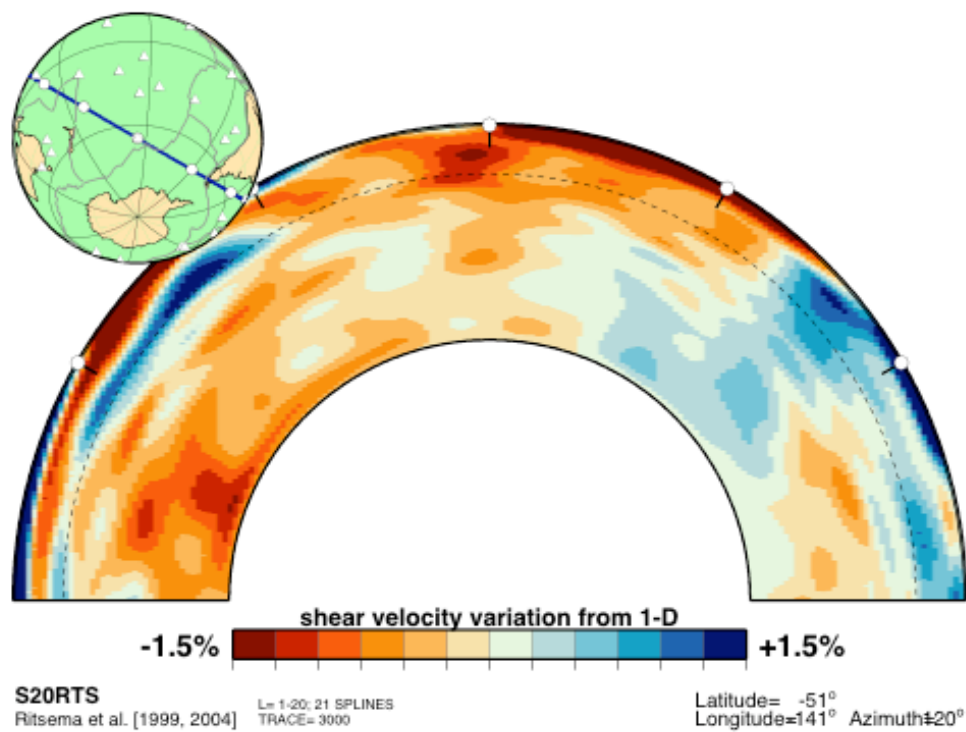


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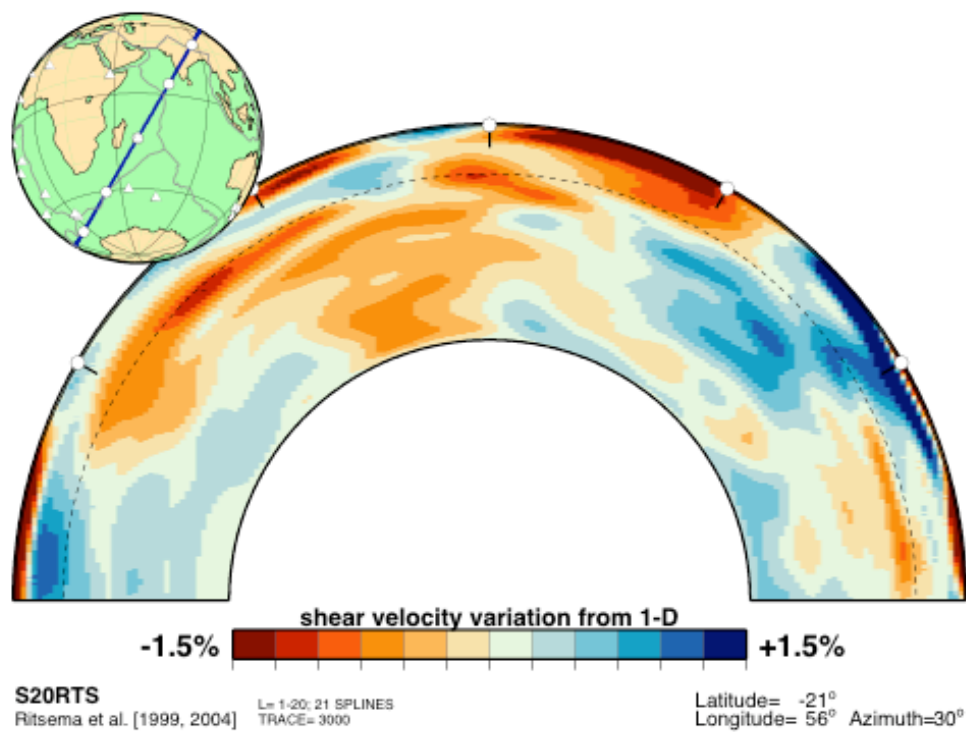


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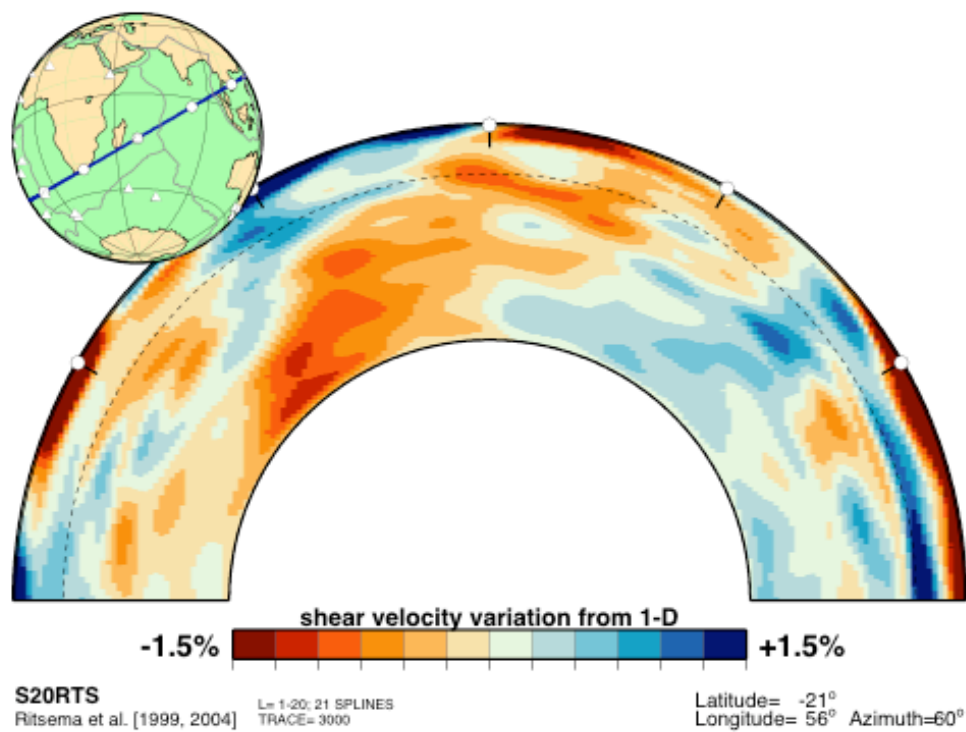


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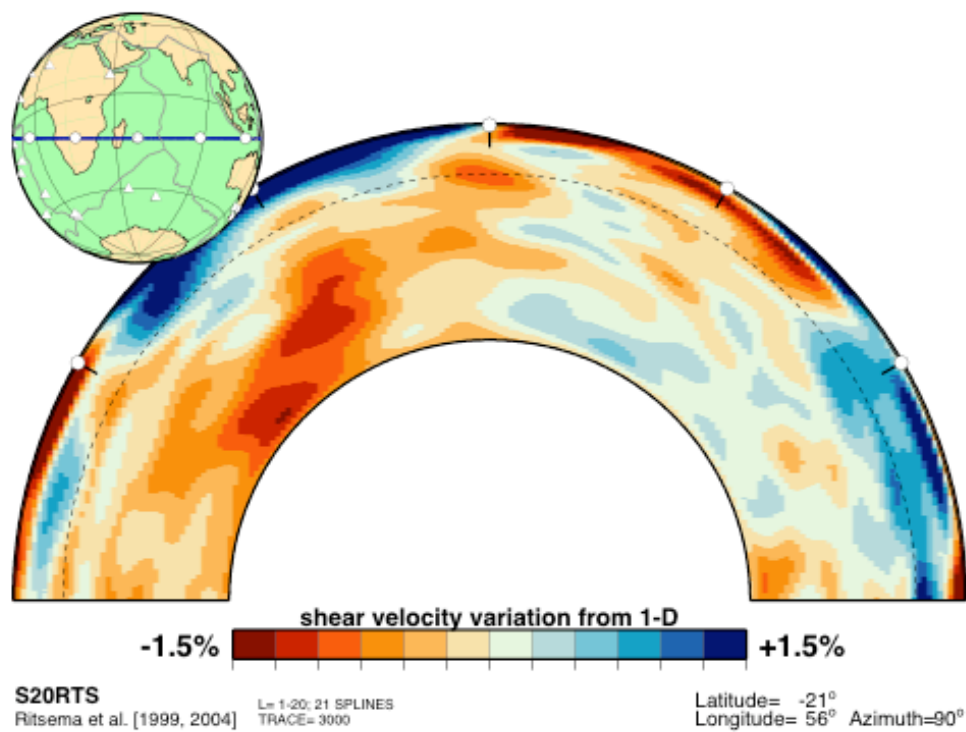


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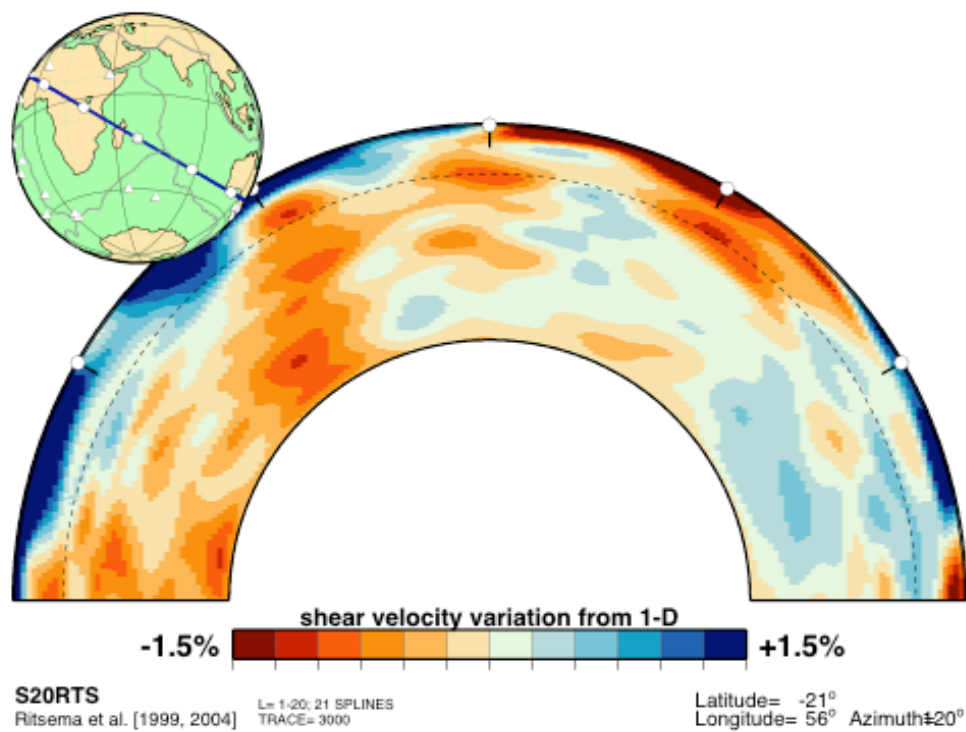


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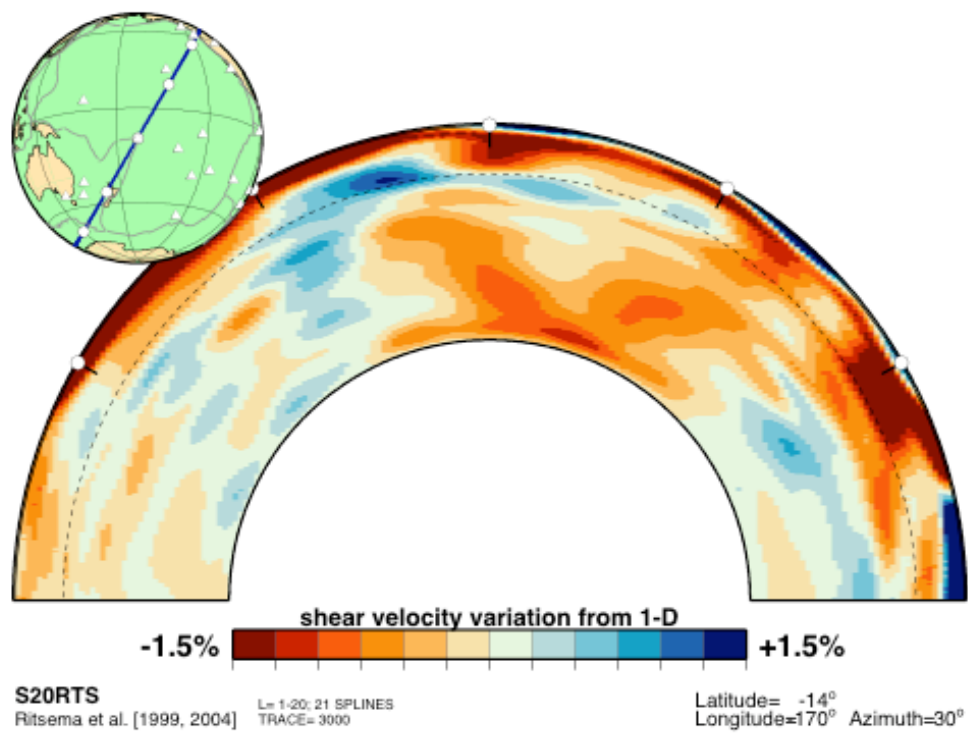


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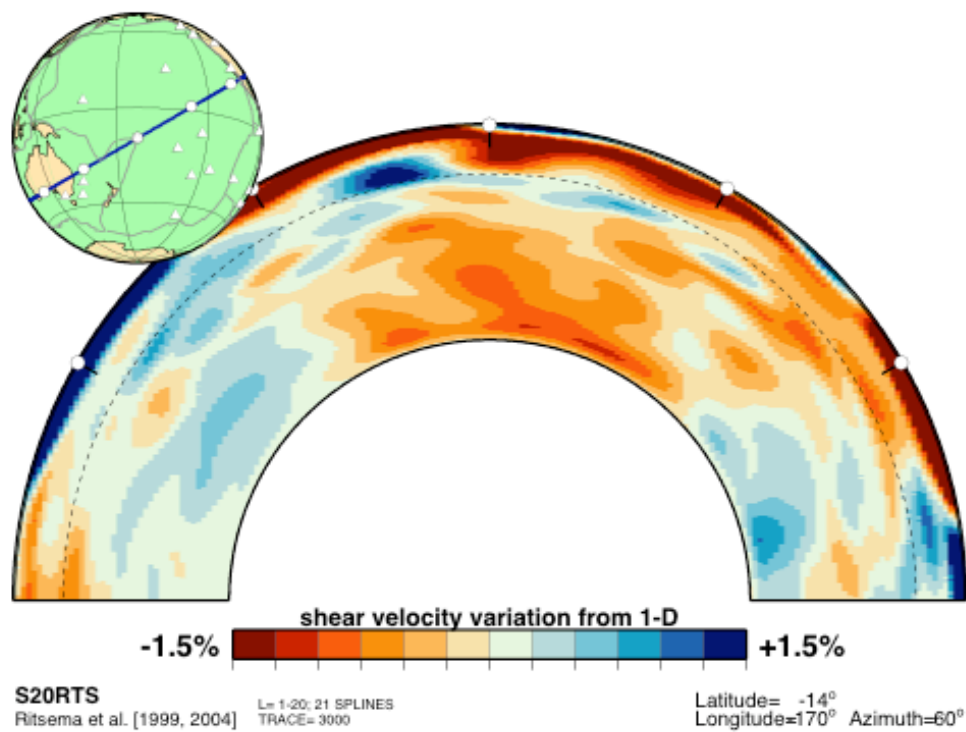


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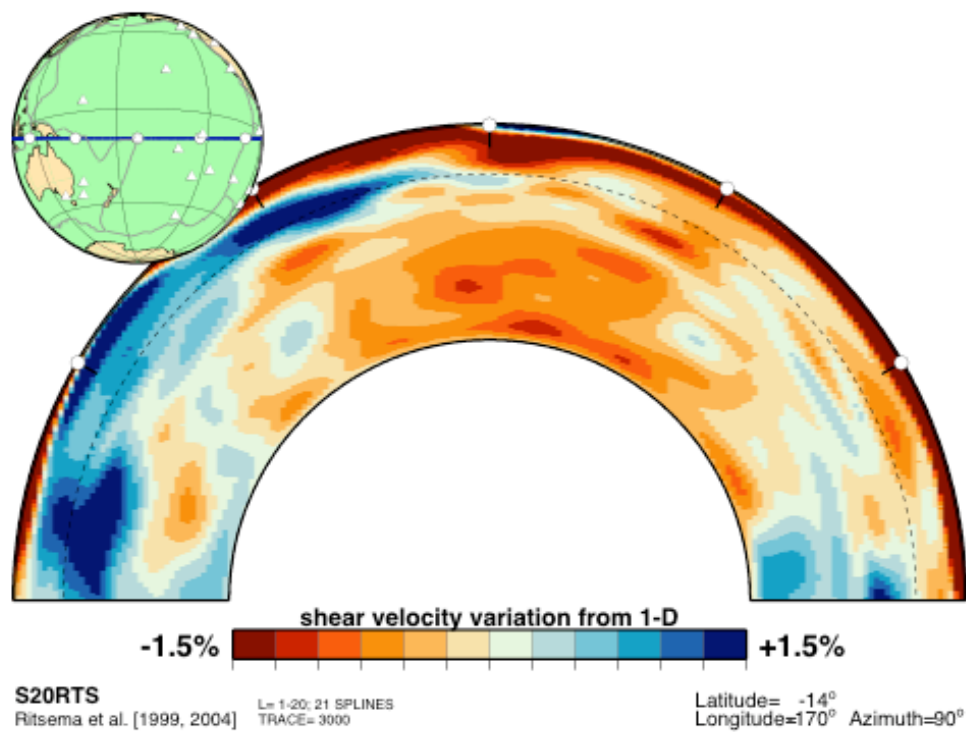


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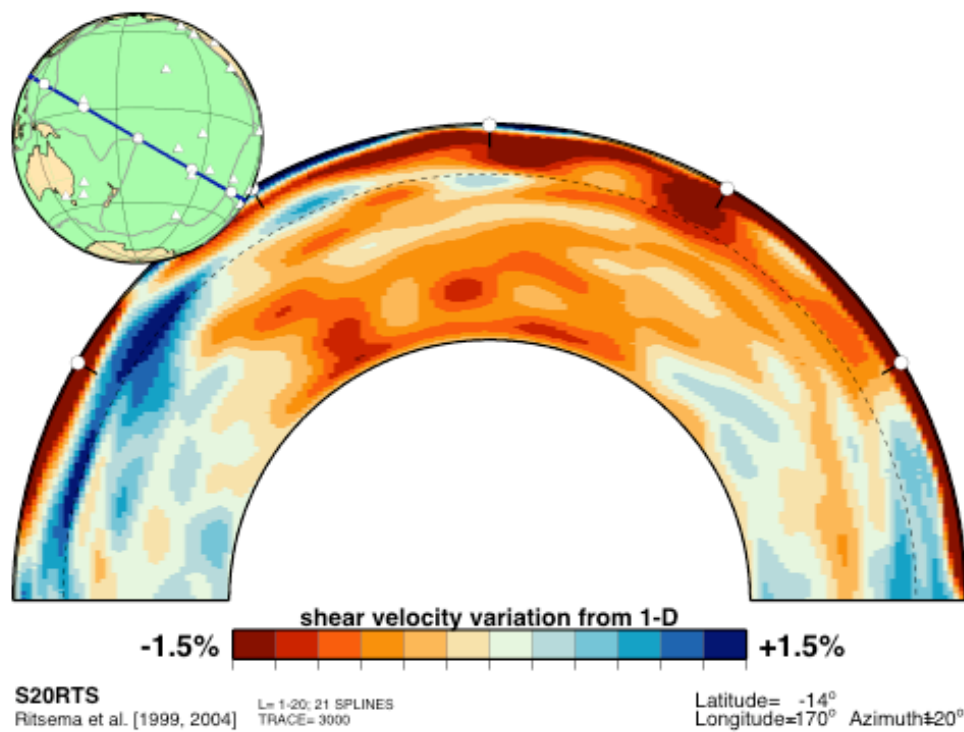


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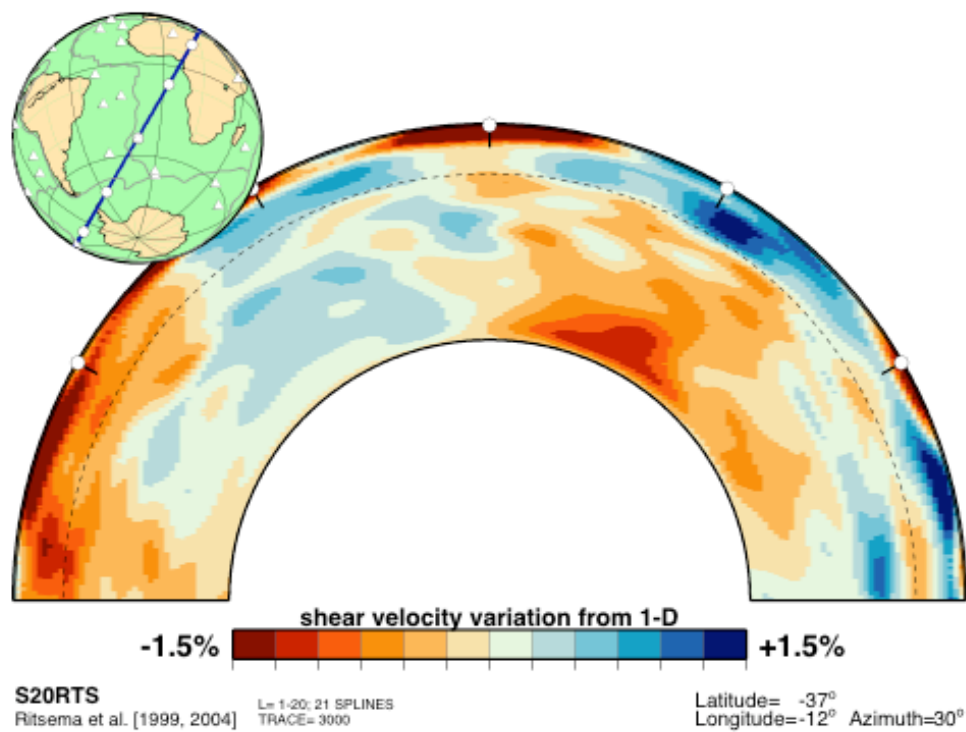


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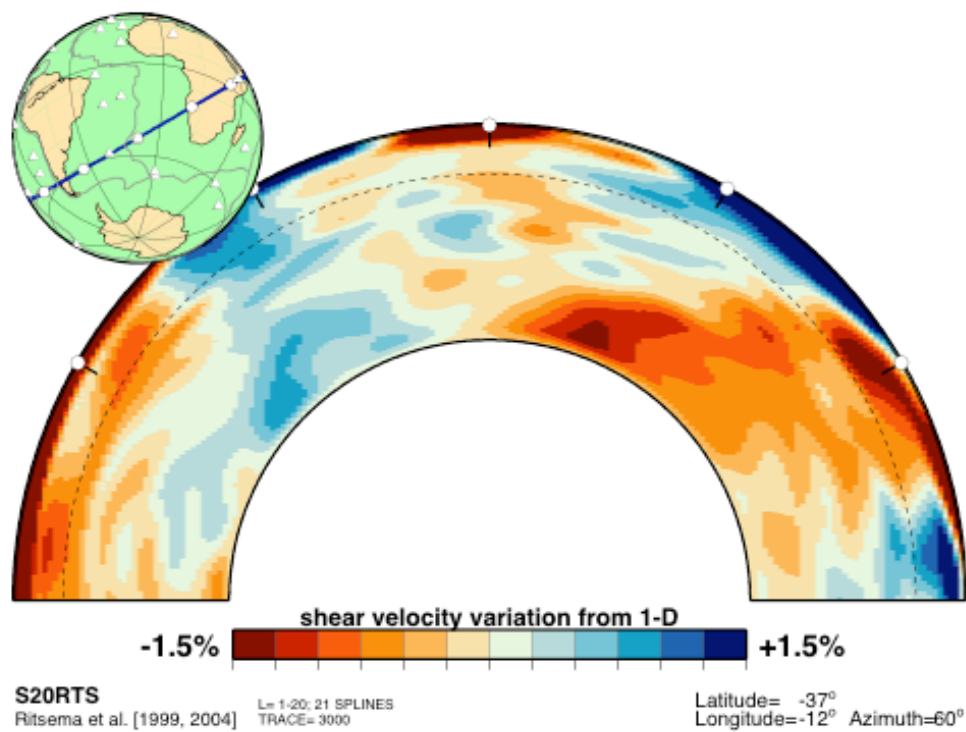


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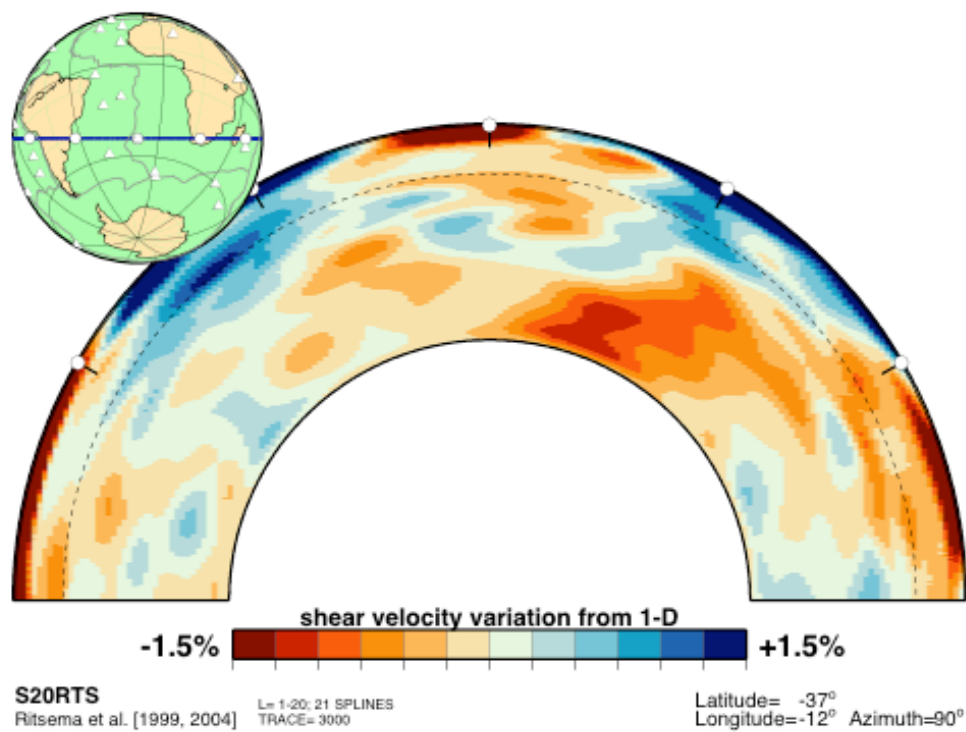


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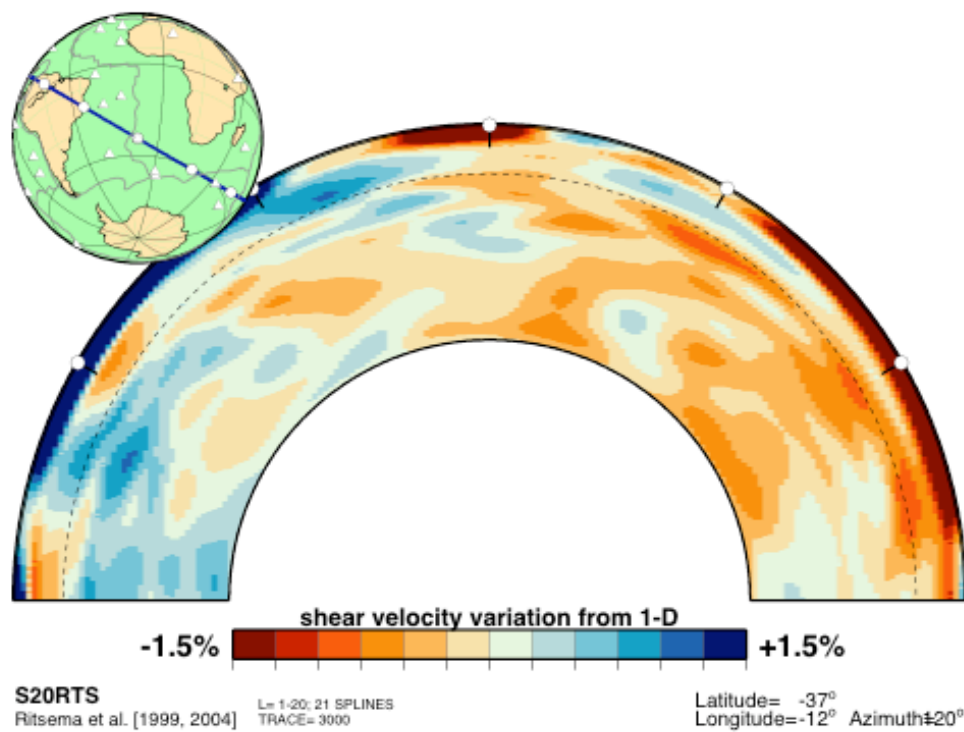


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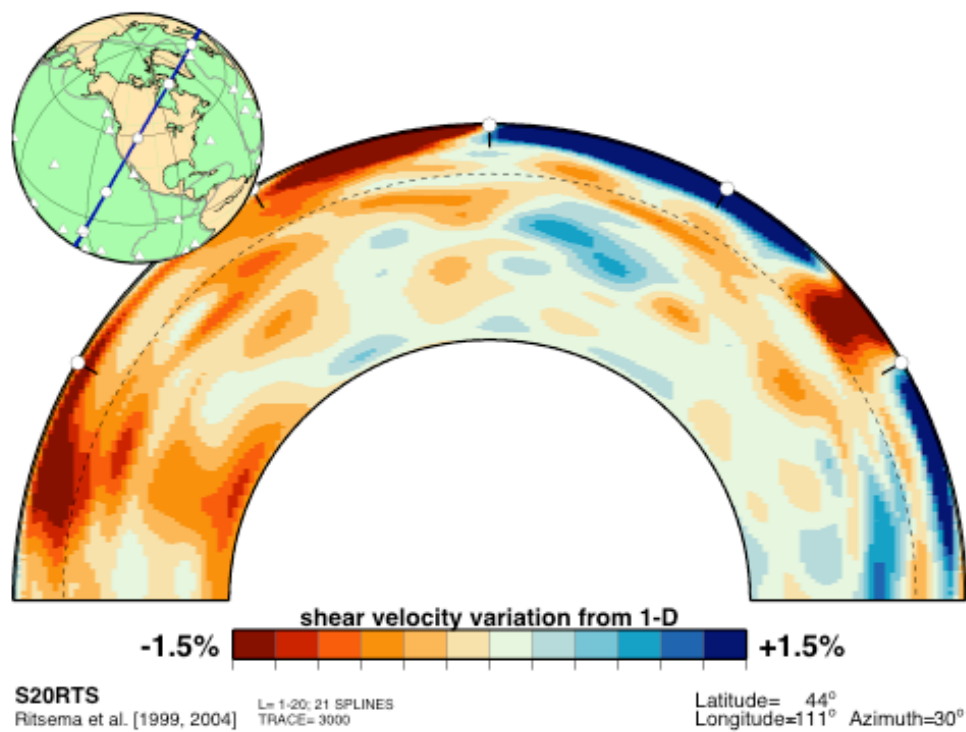


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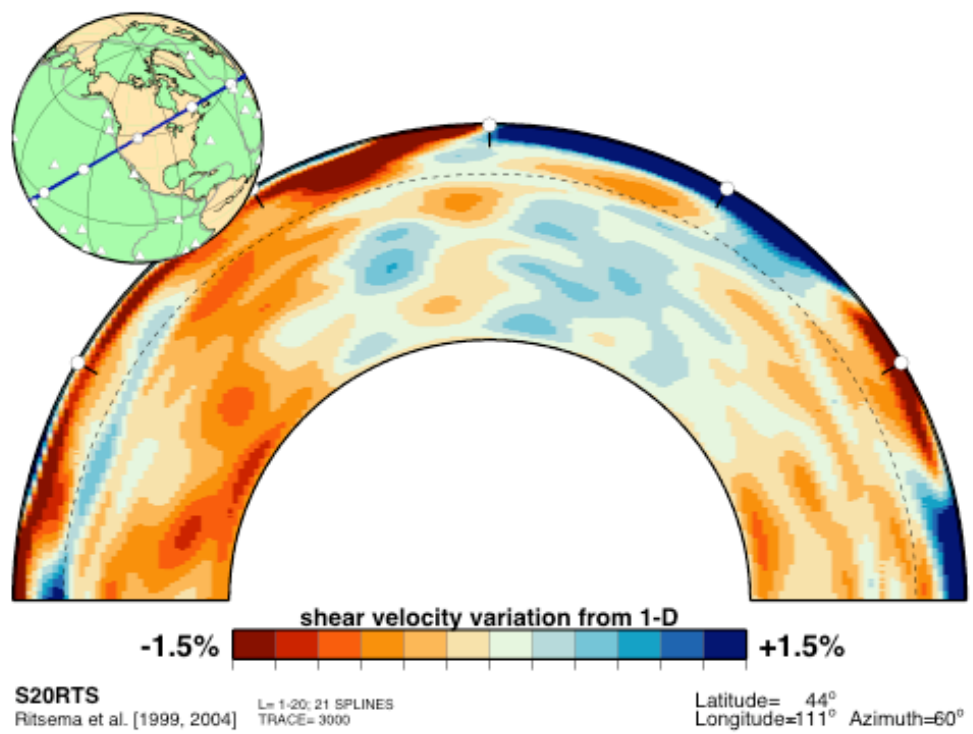


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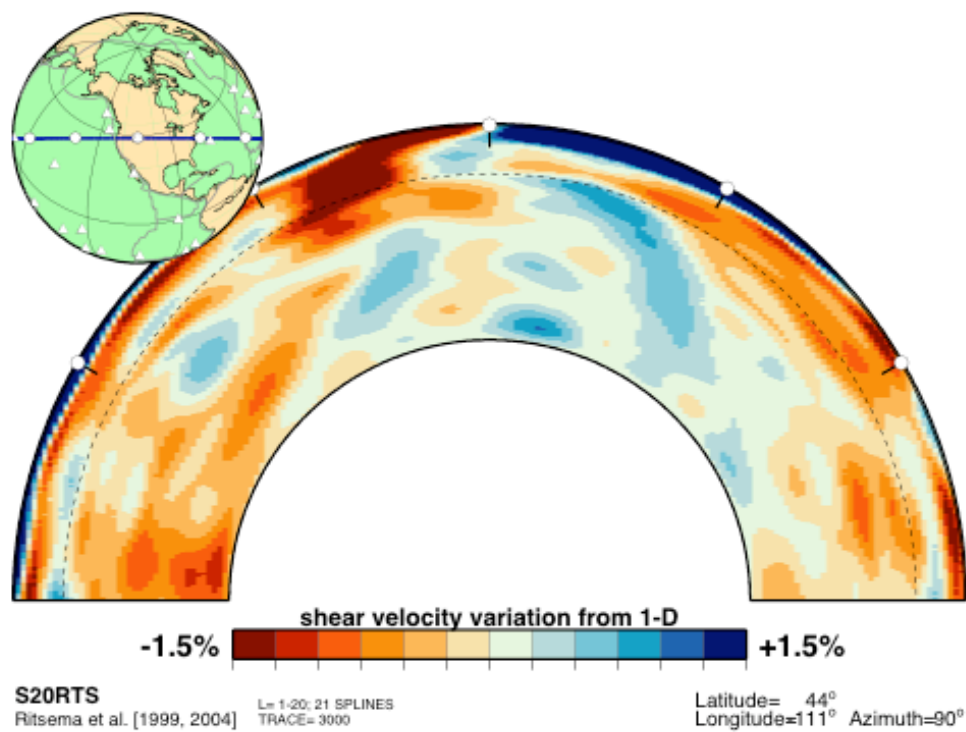


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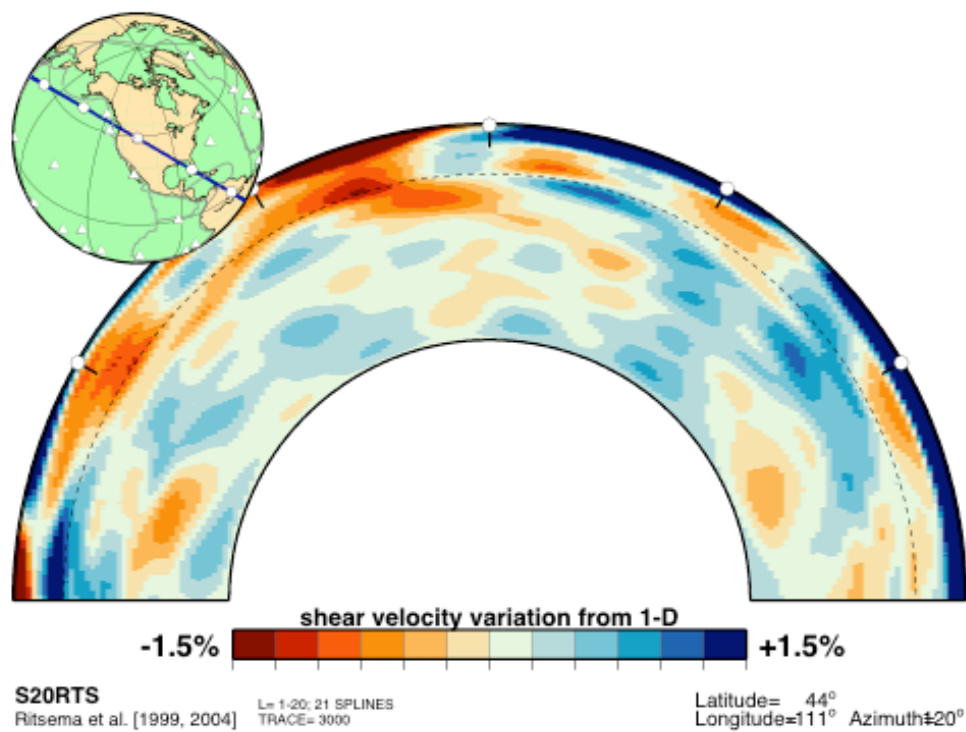


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