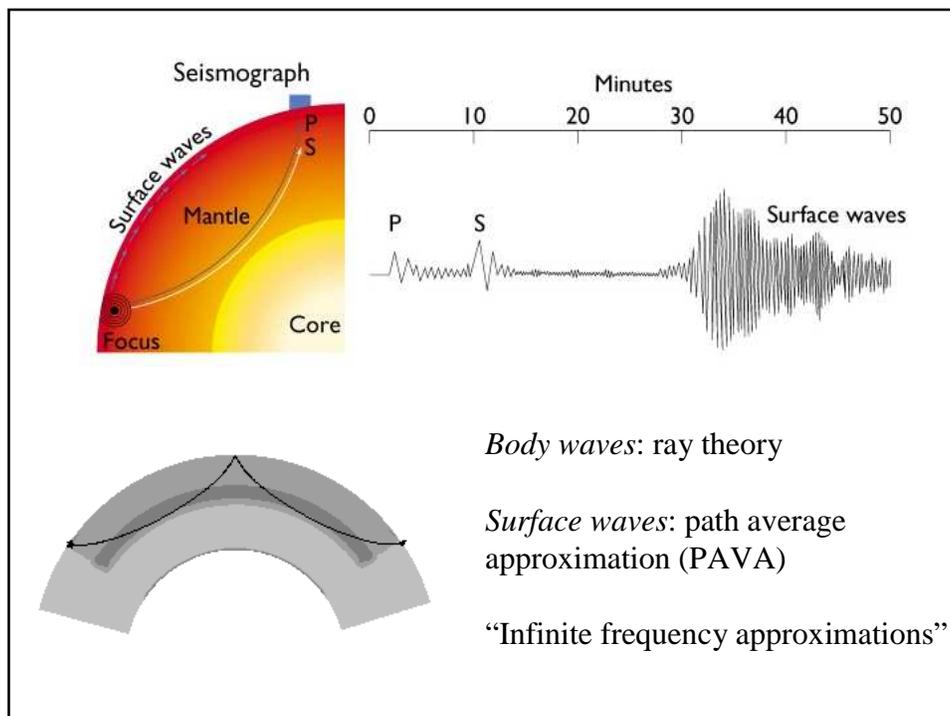


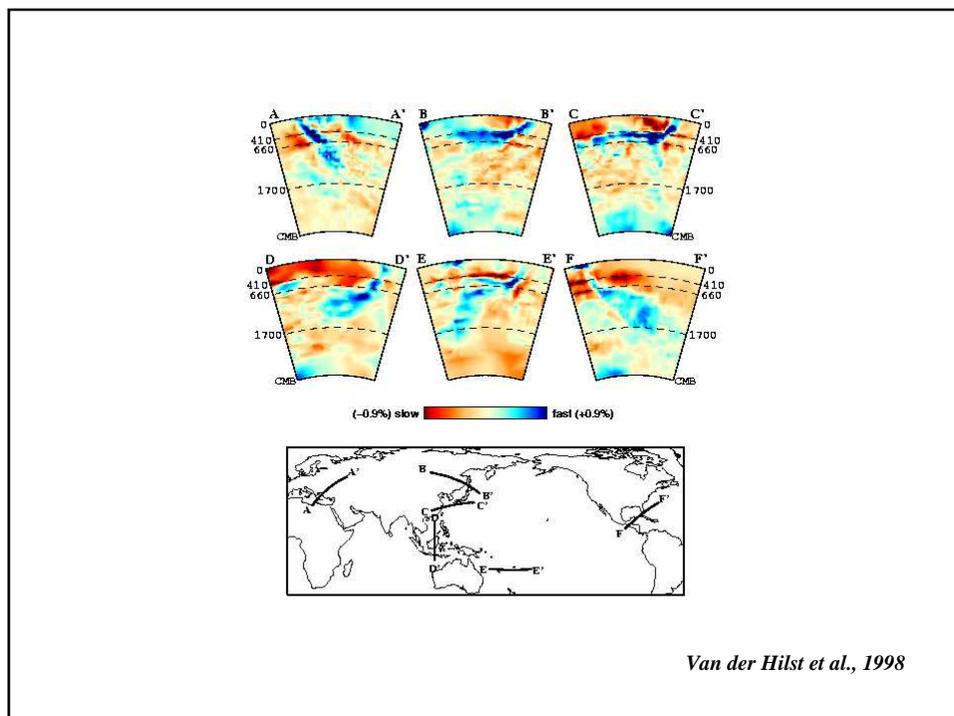
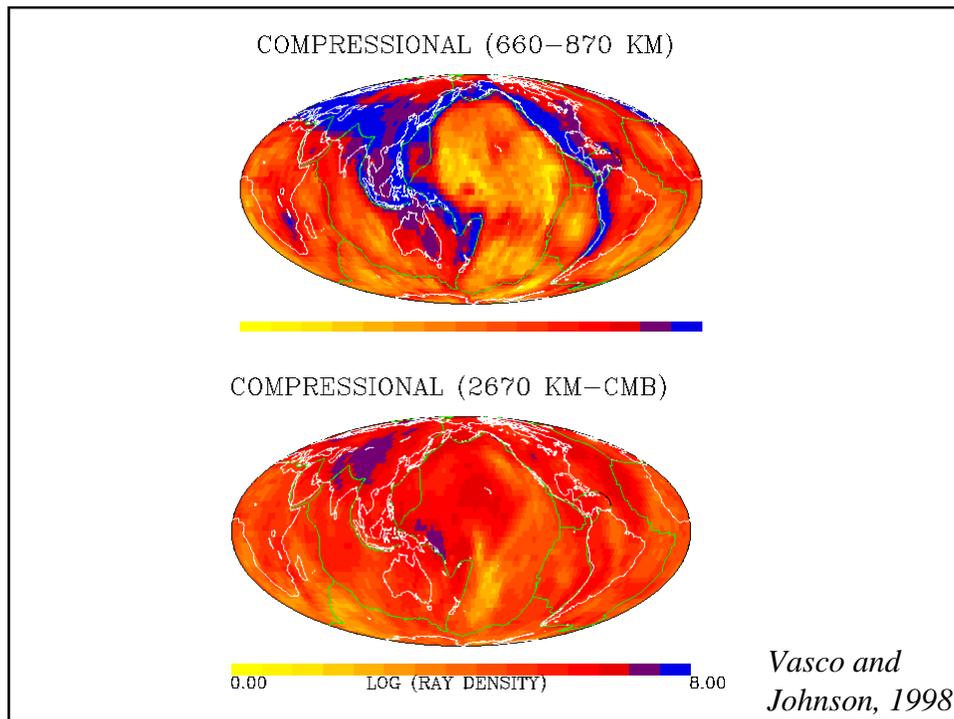
Seismic waves and 3D structure

Barbara Romanowicz
UC Berkeley

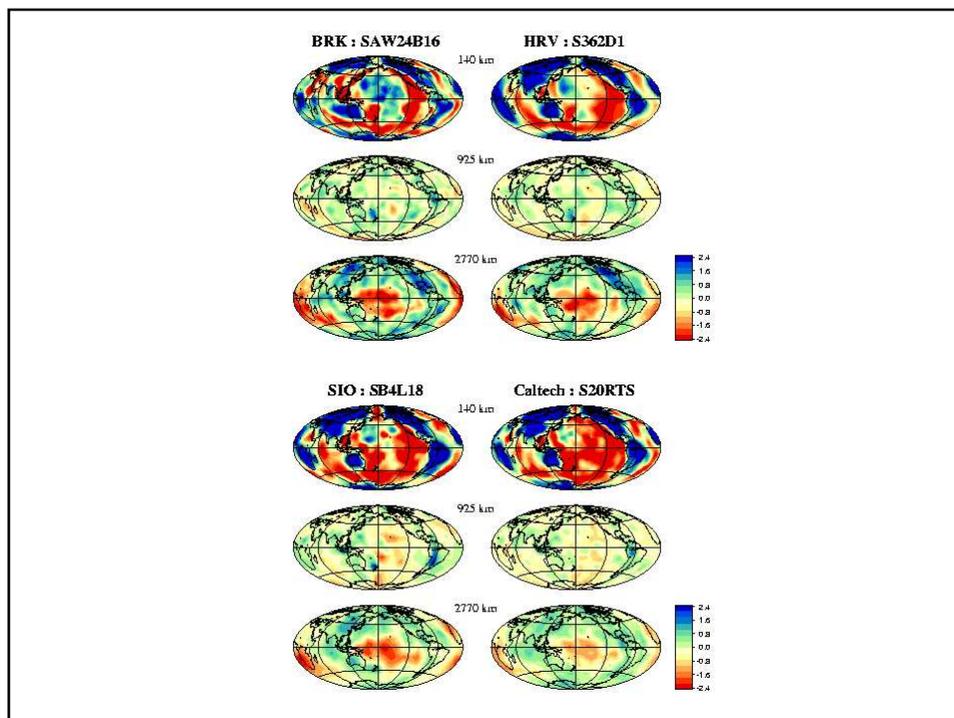
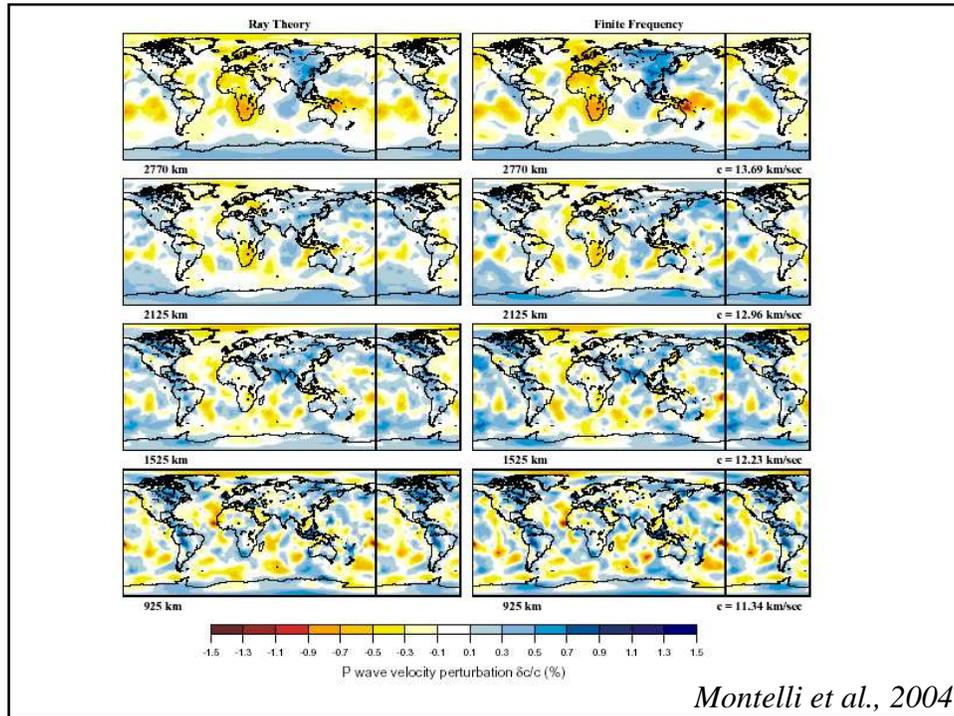
CIDER'04/KITP 07/21/04



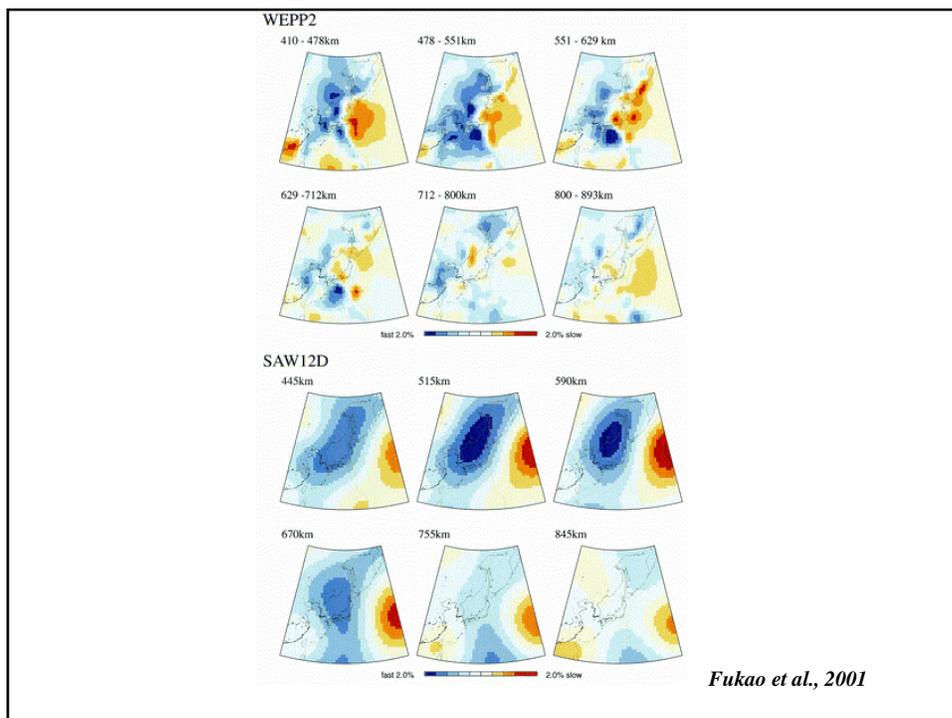
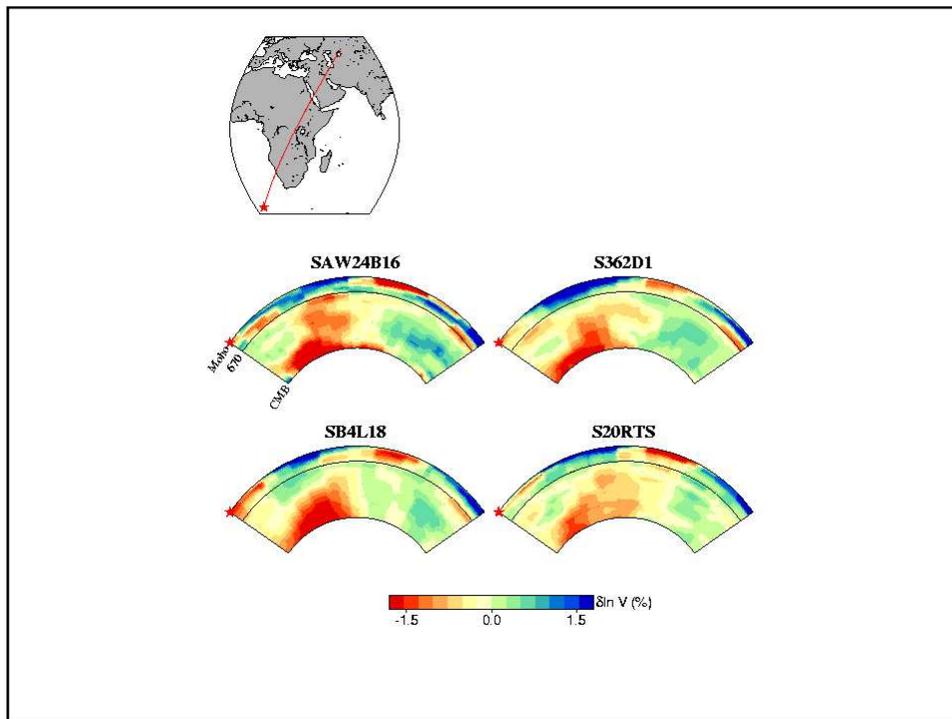
Seismology: Wave propagation in three dimensional media



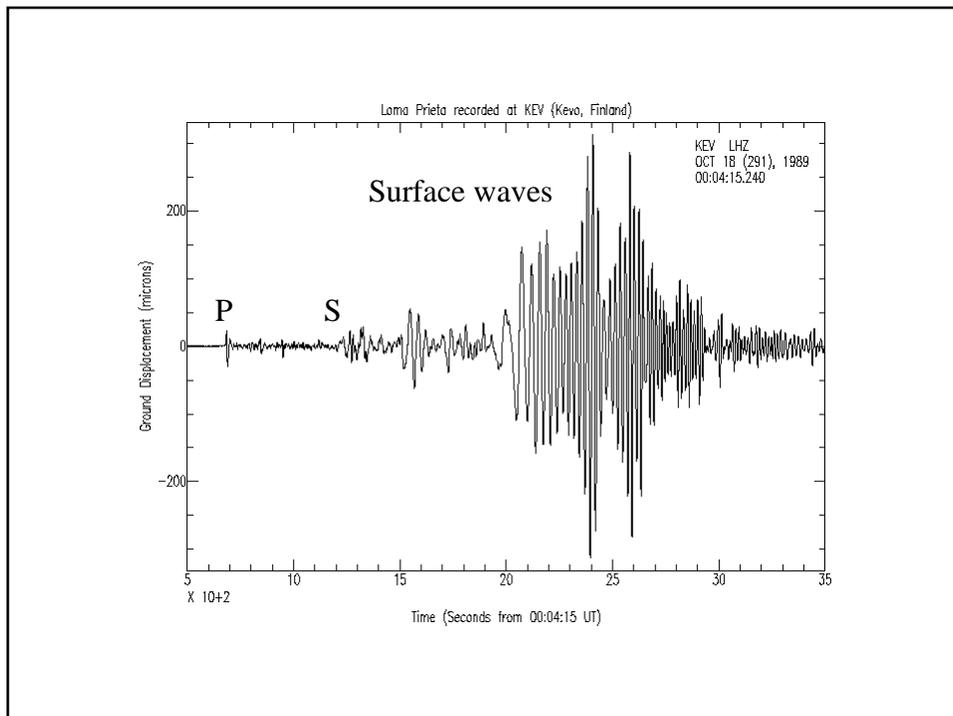
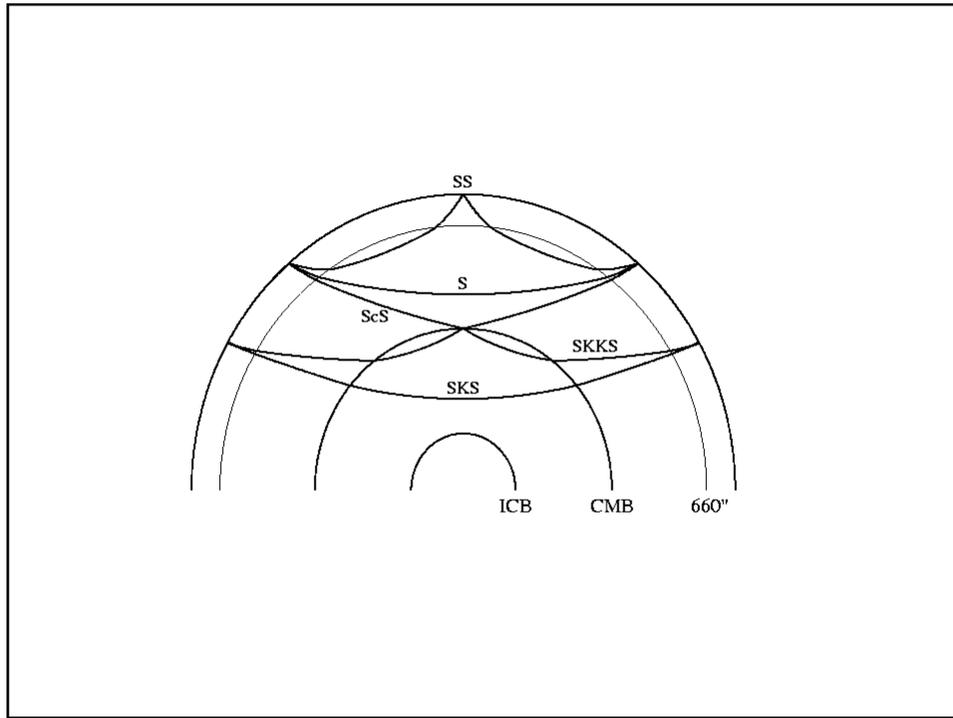
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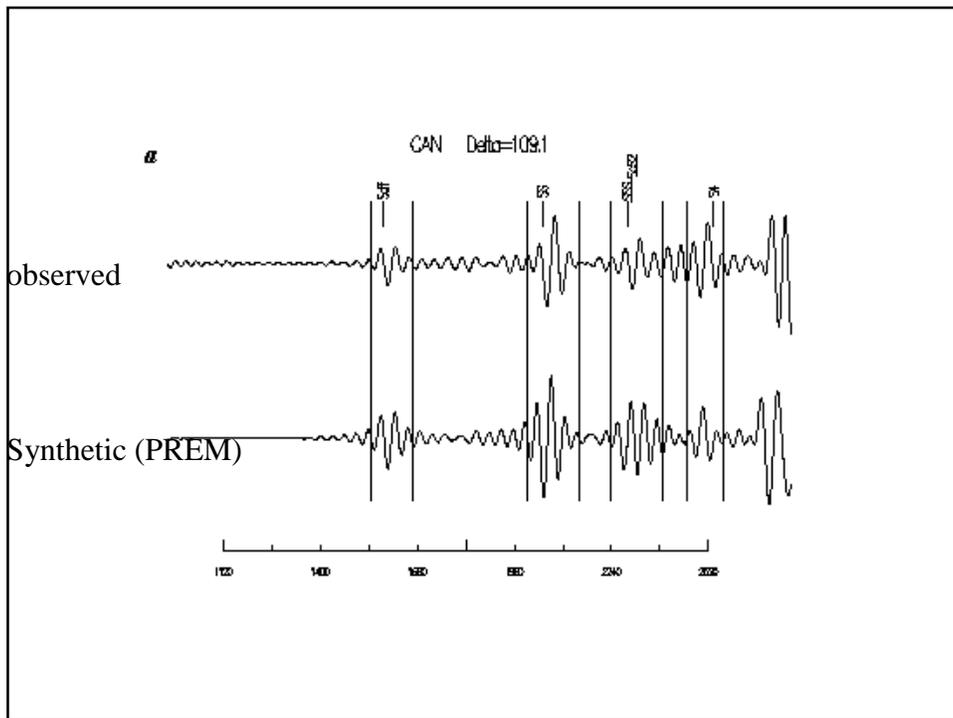
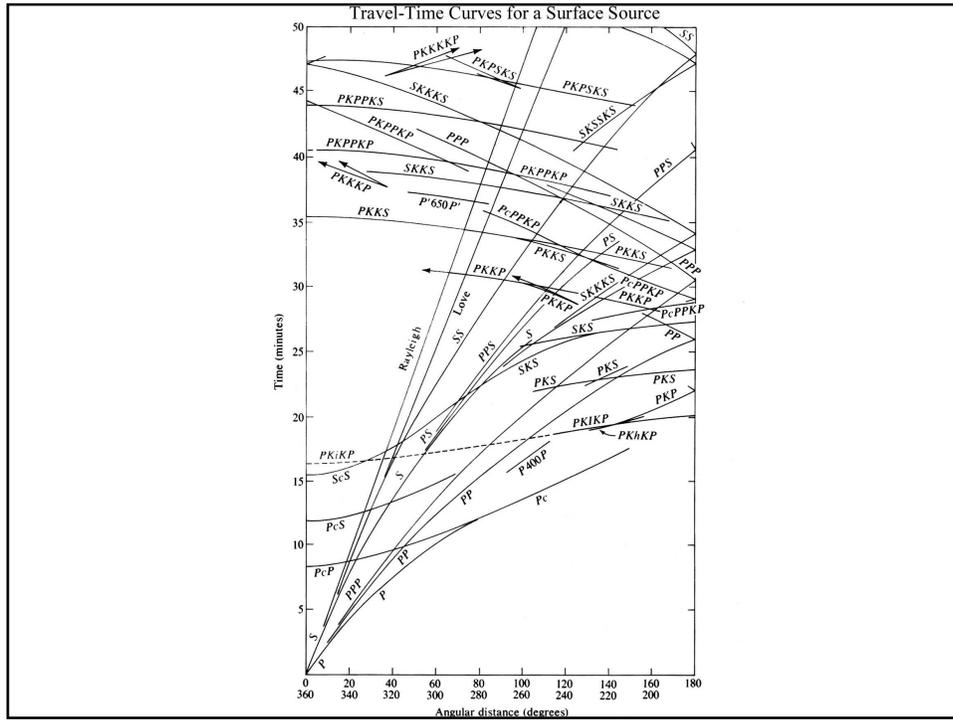
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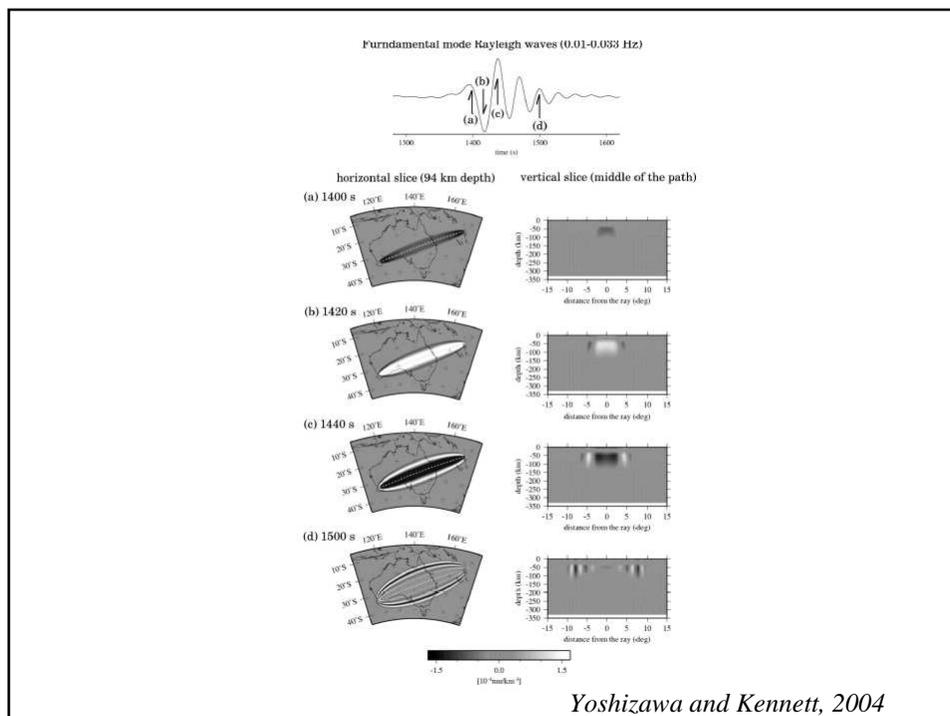
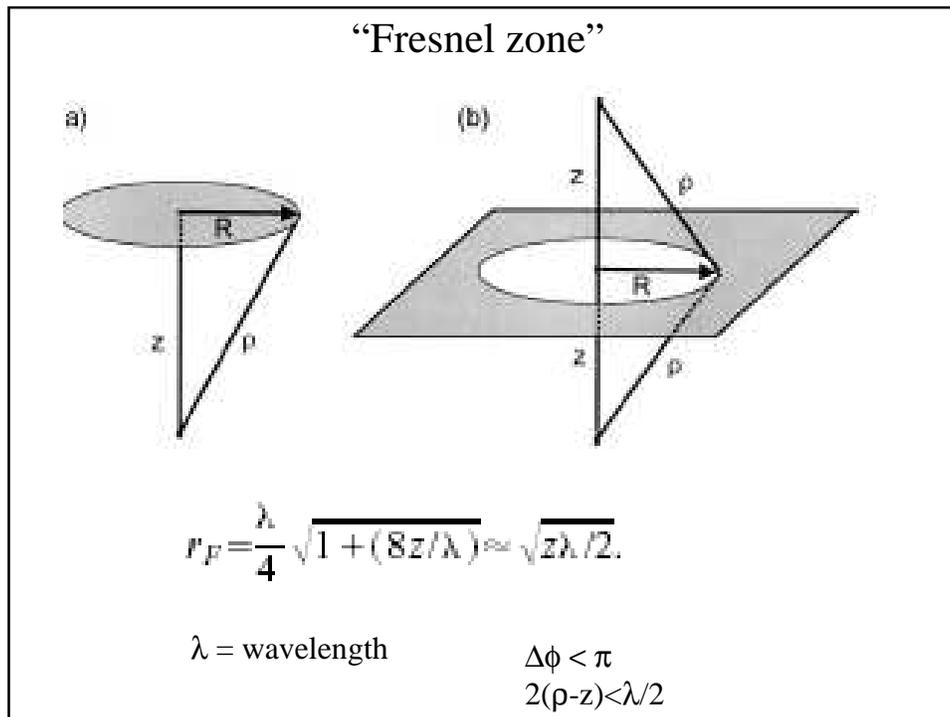
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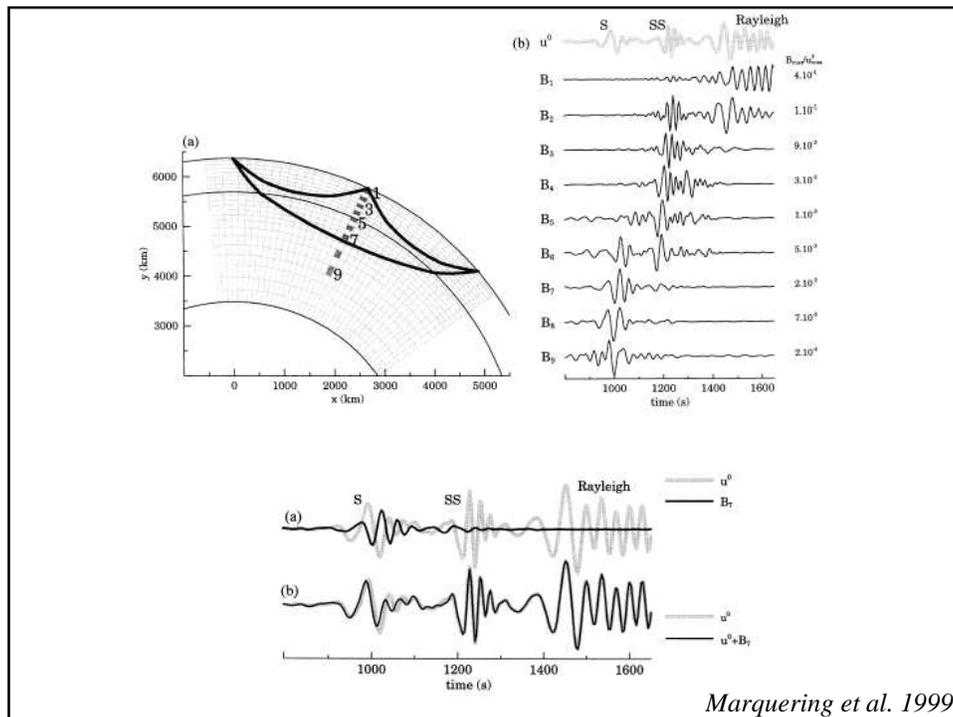
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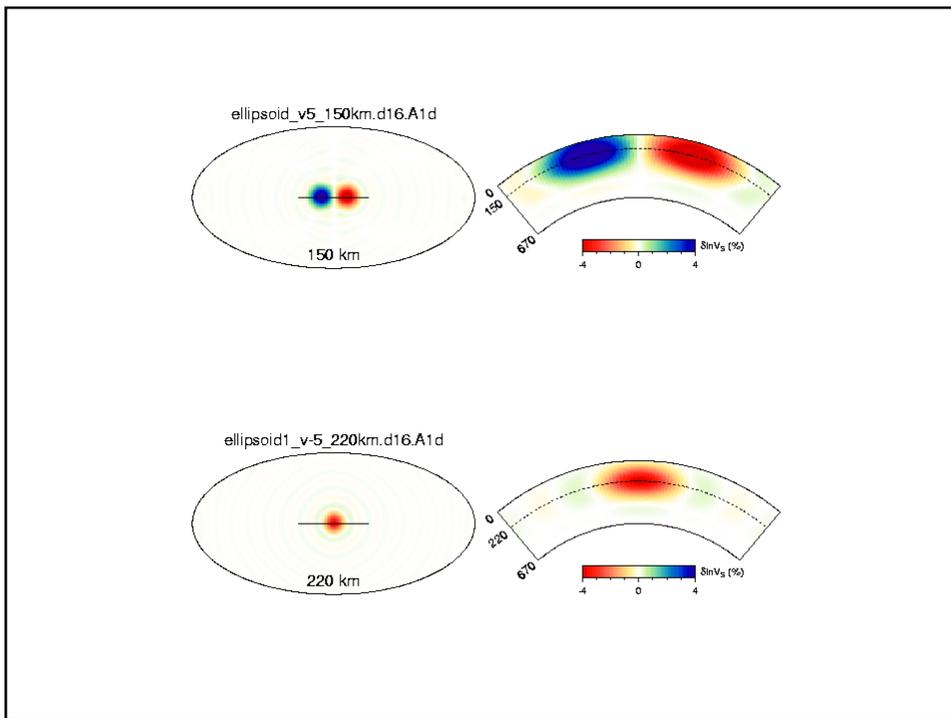
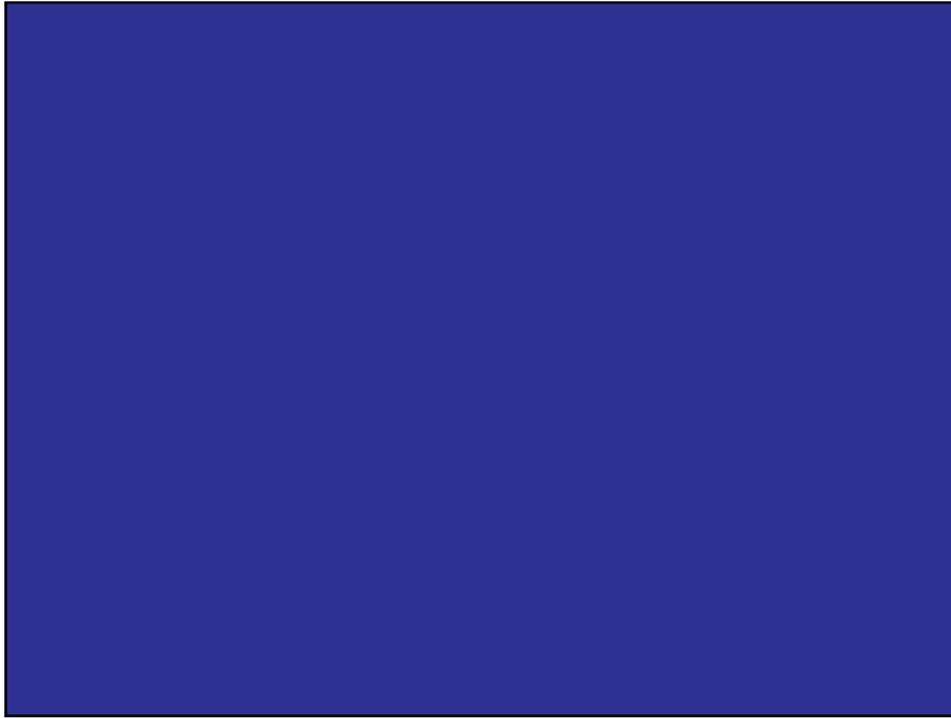


- How can we model full waveforms, i.e. body waves (including diffracted waves), AND surface waves (fundamental mode and overtones), in a realistic 3D earth
- with “accurate” broadband kernels
- and reasonable computation time for global tomographic inversions ?

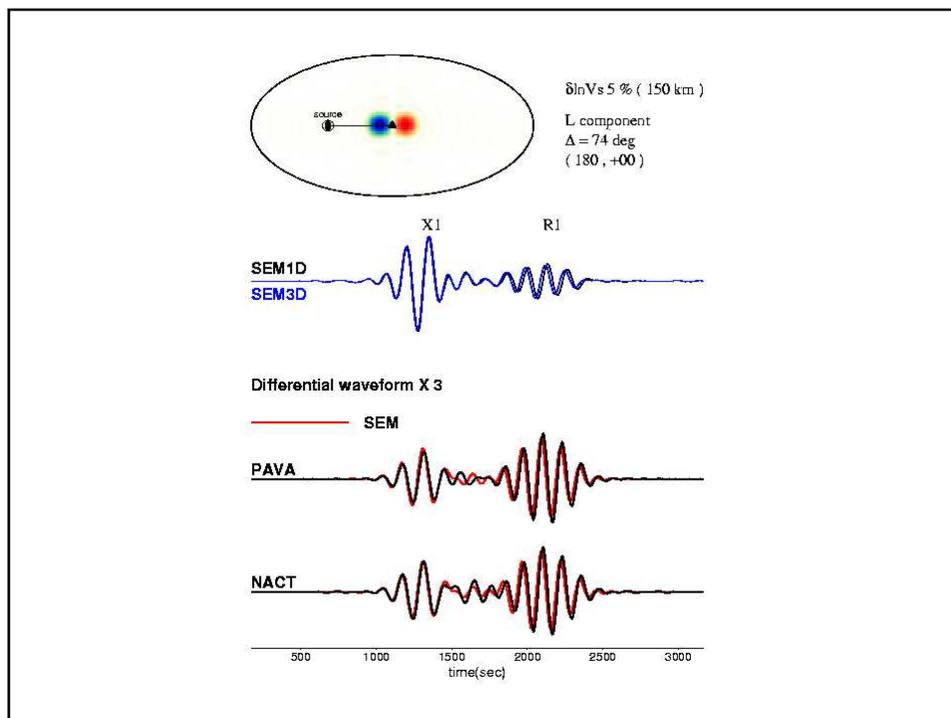
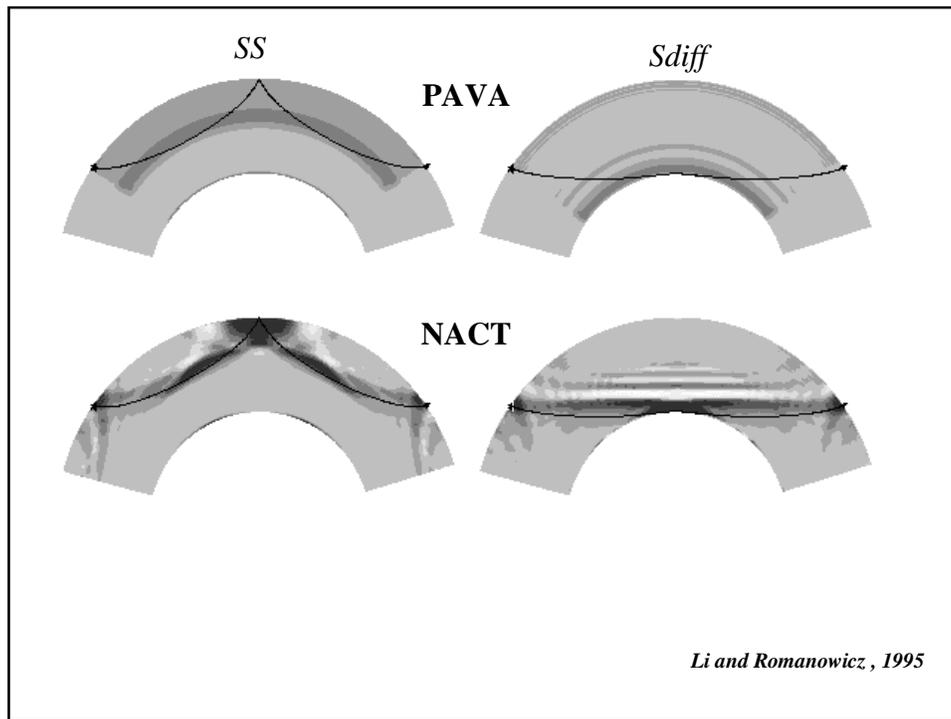
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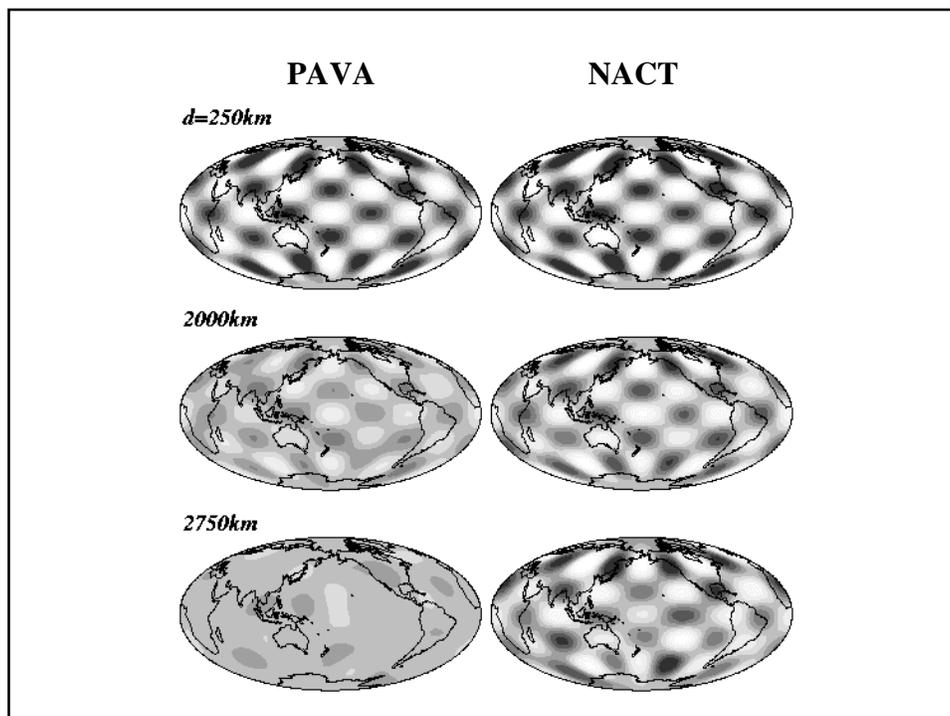
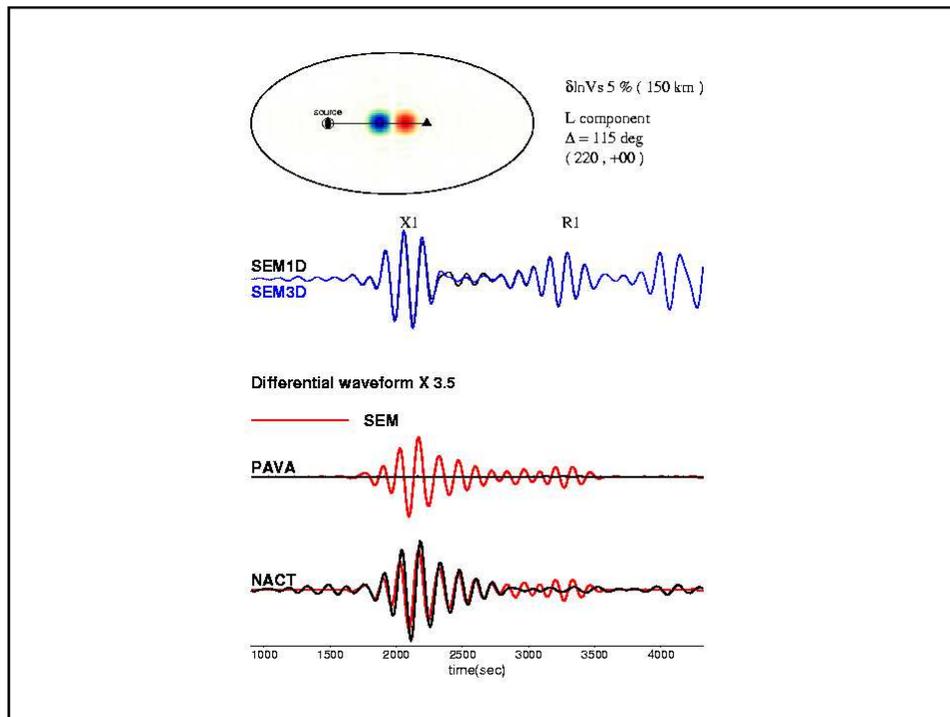
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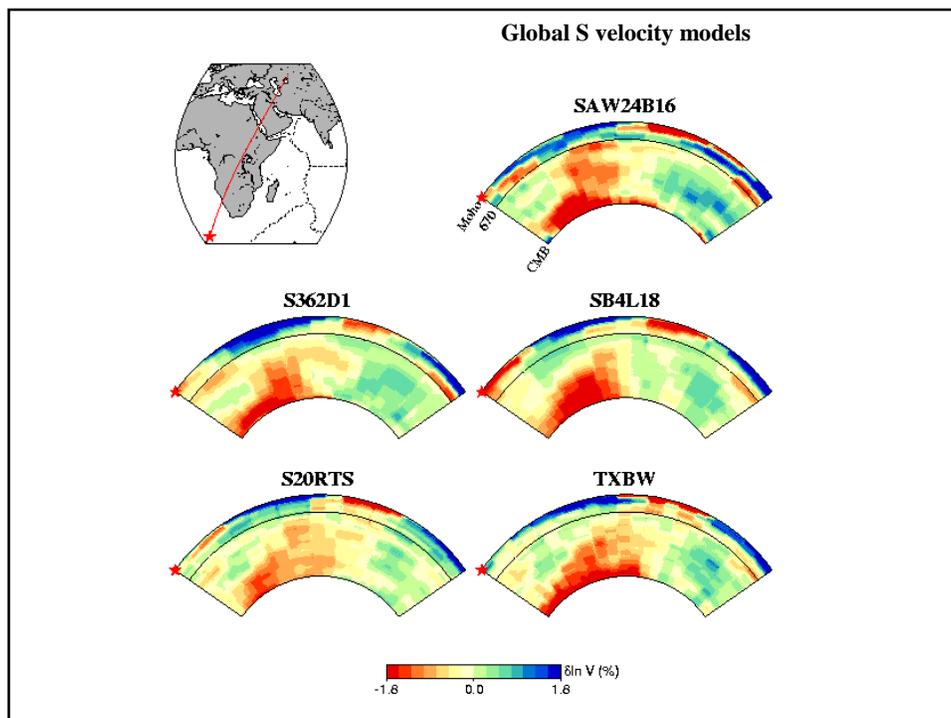
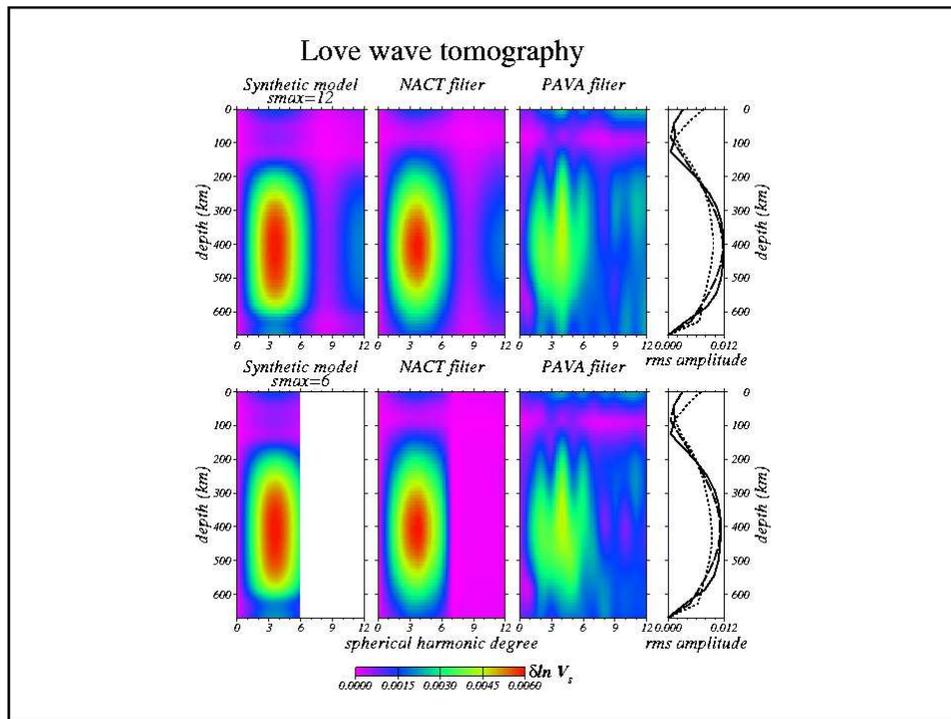
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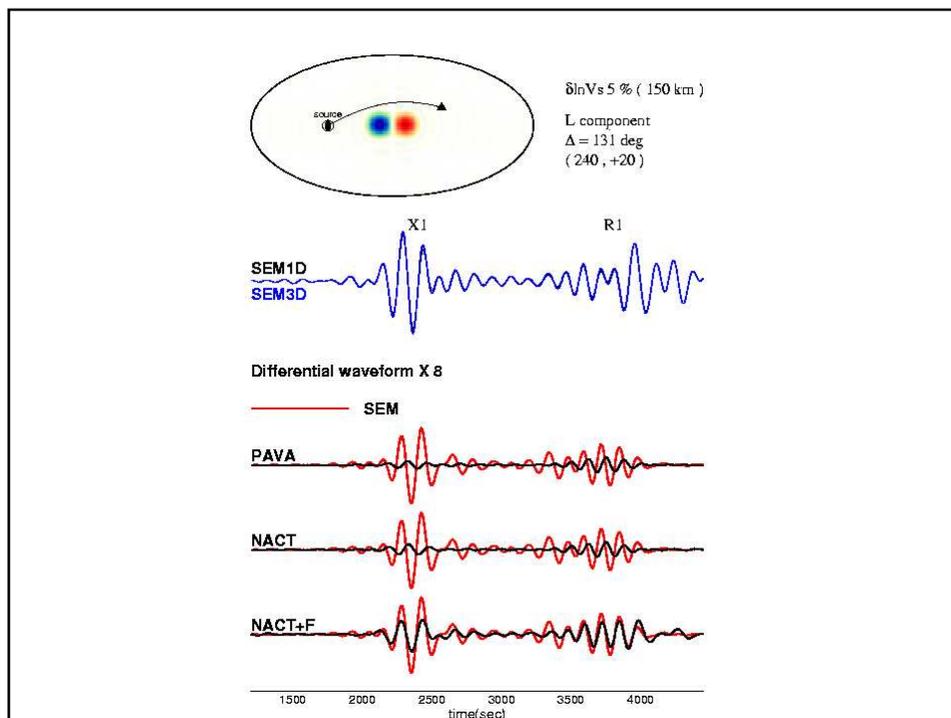
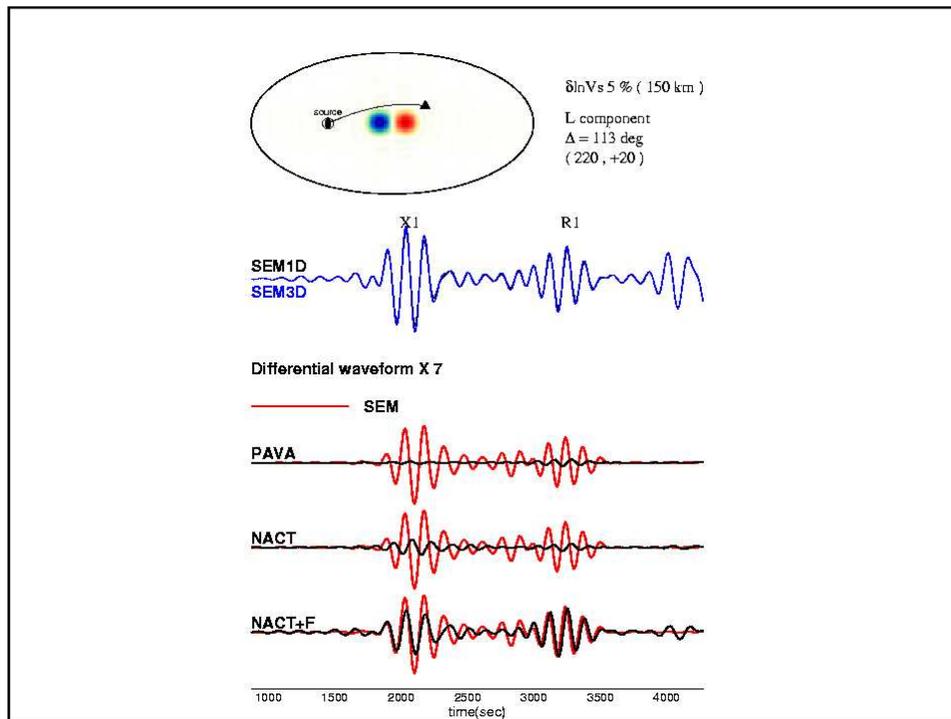
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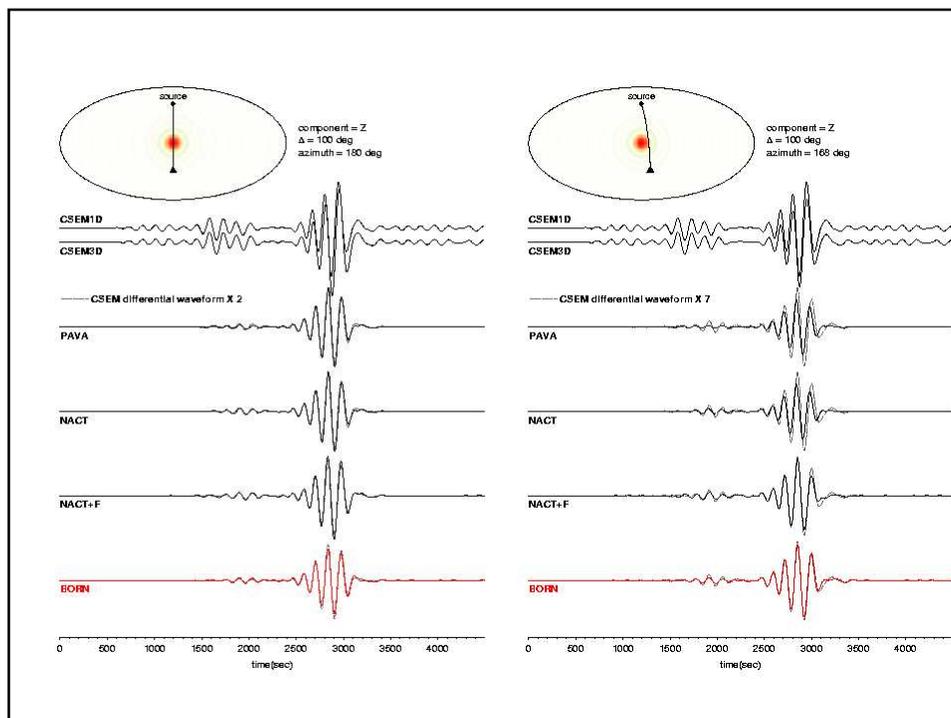
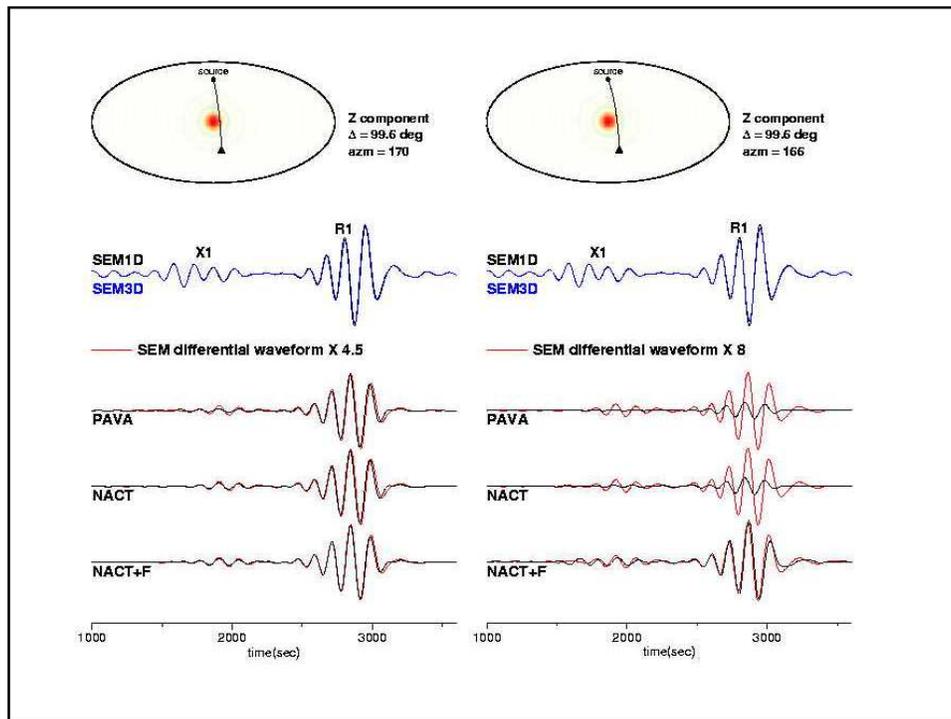
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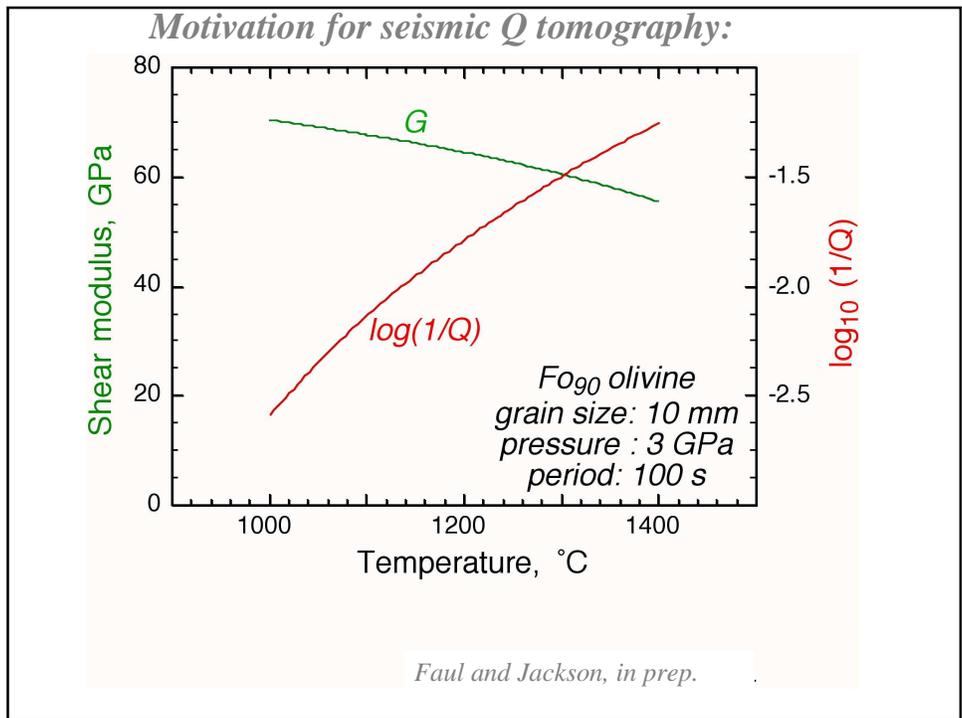
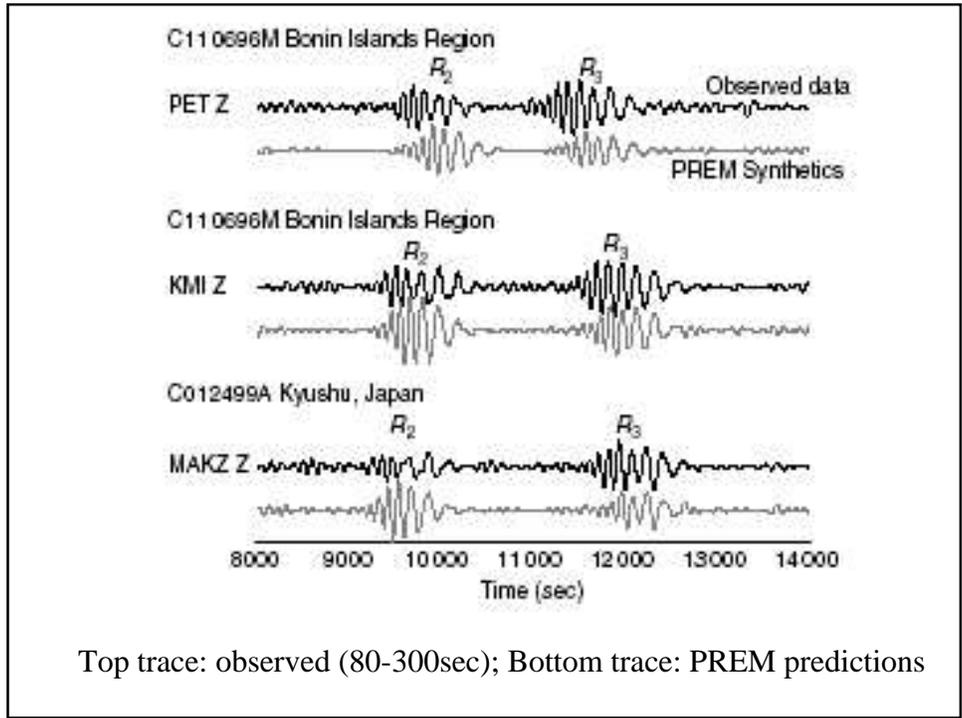
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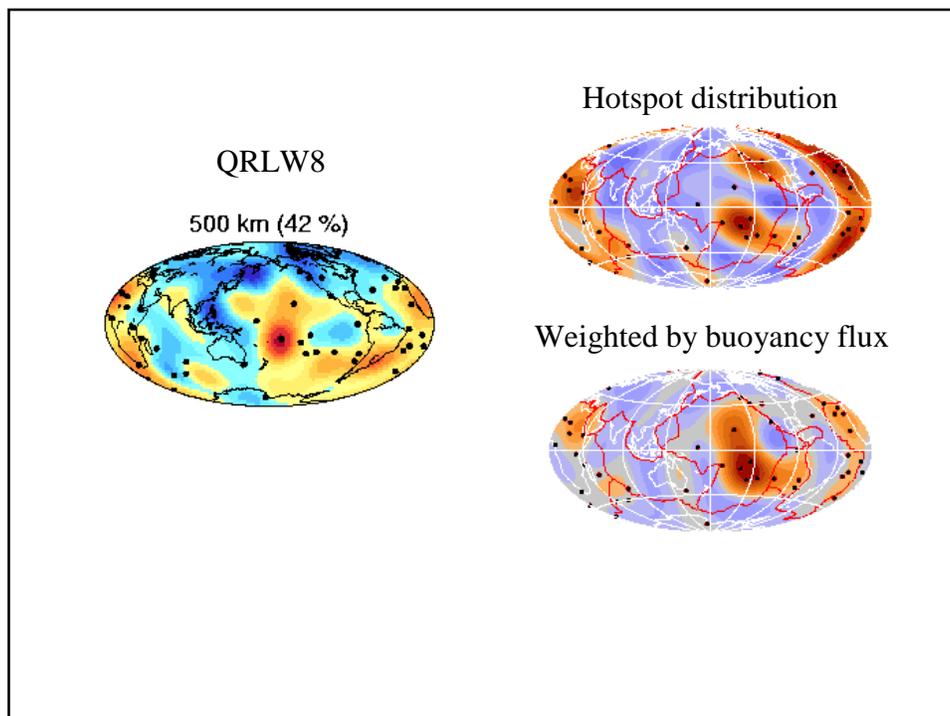
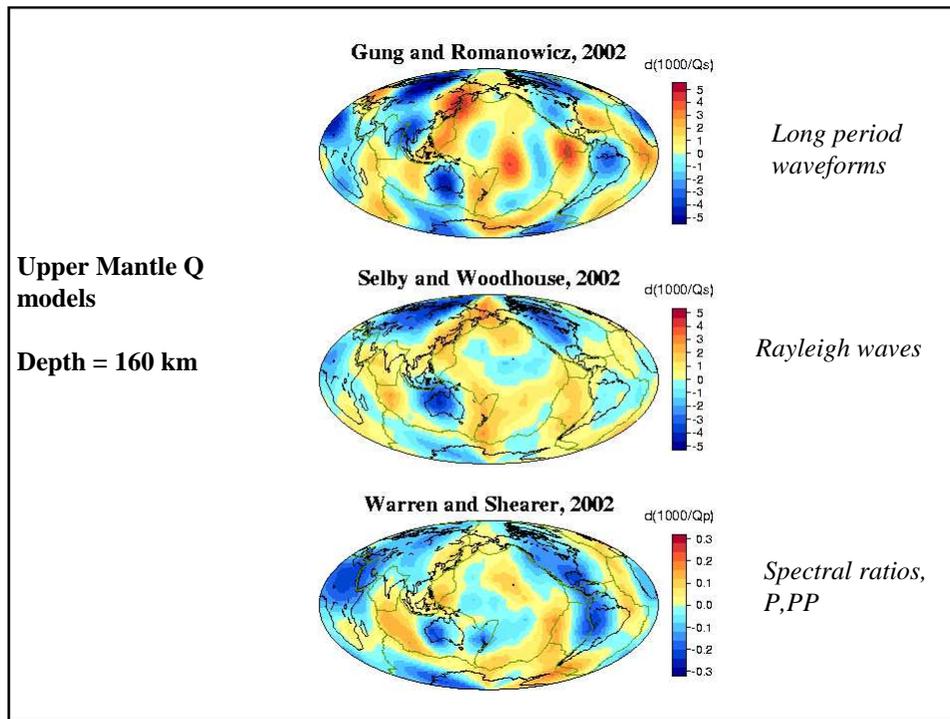
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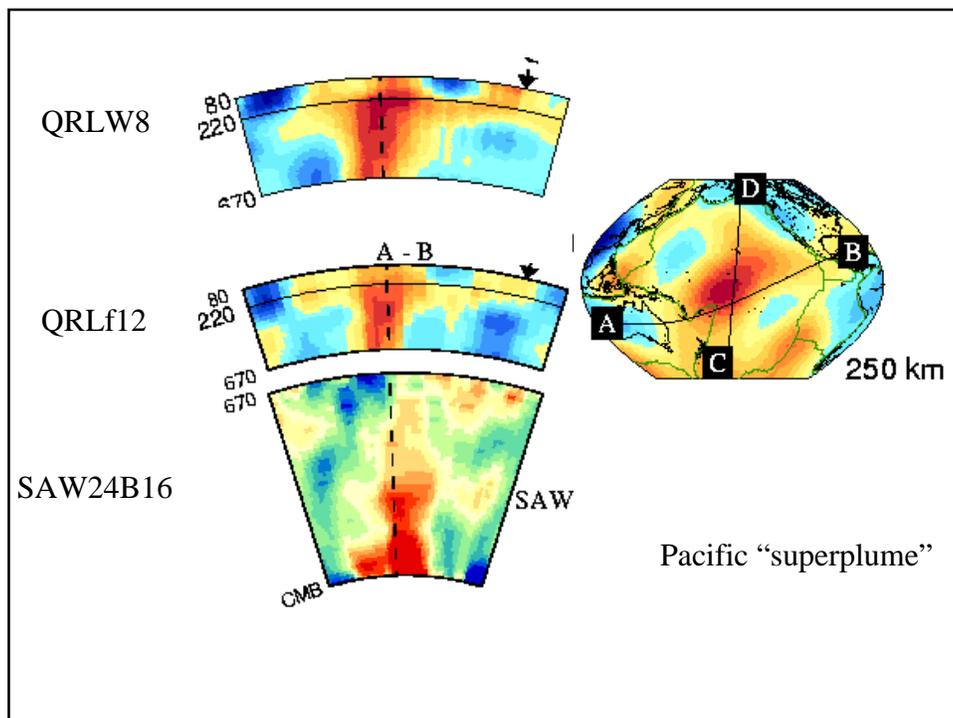
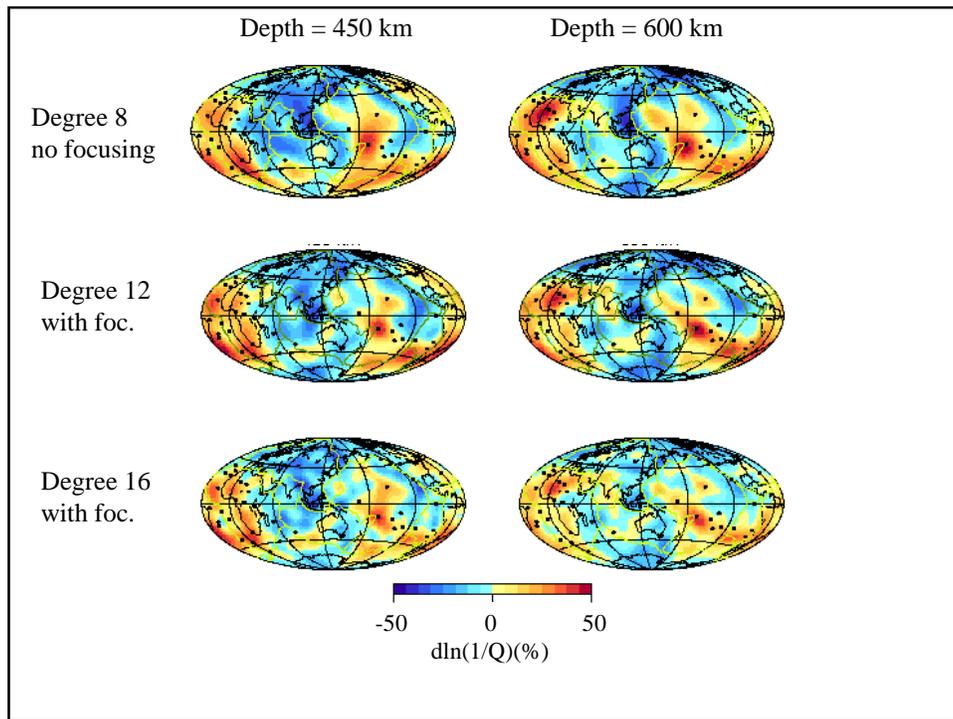
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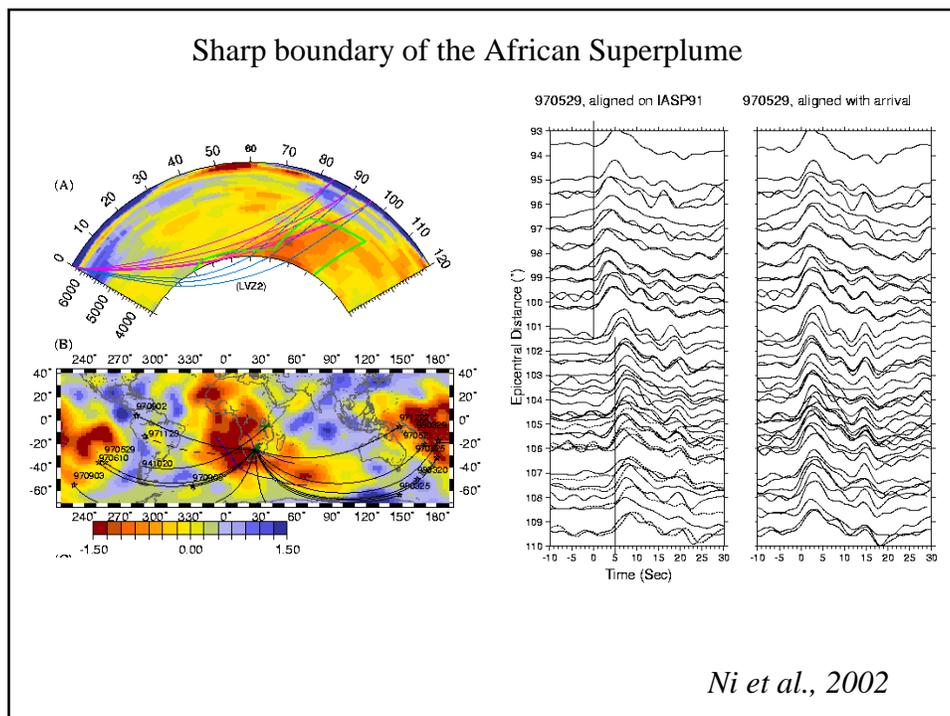
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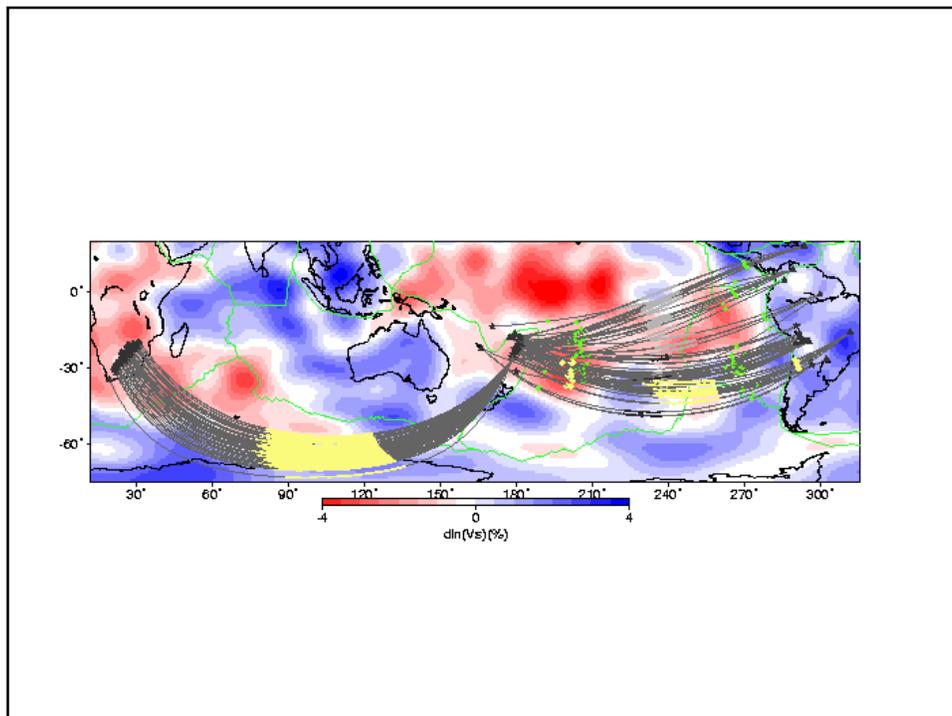
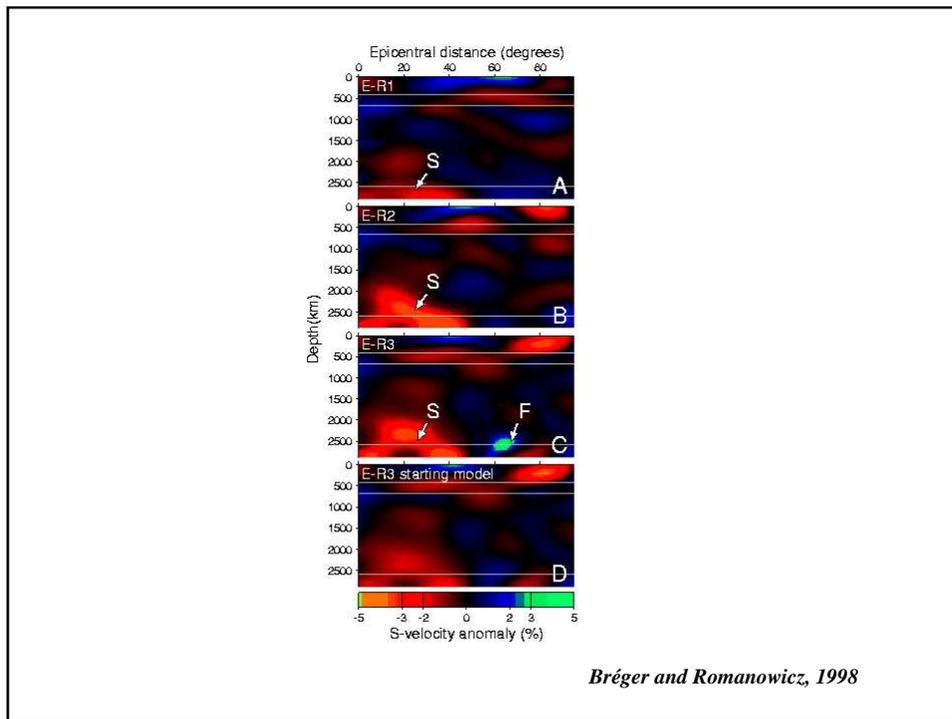
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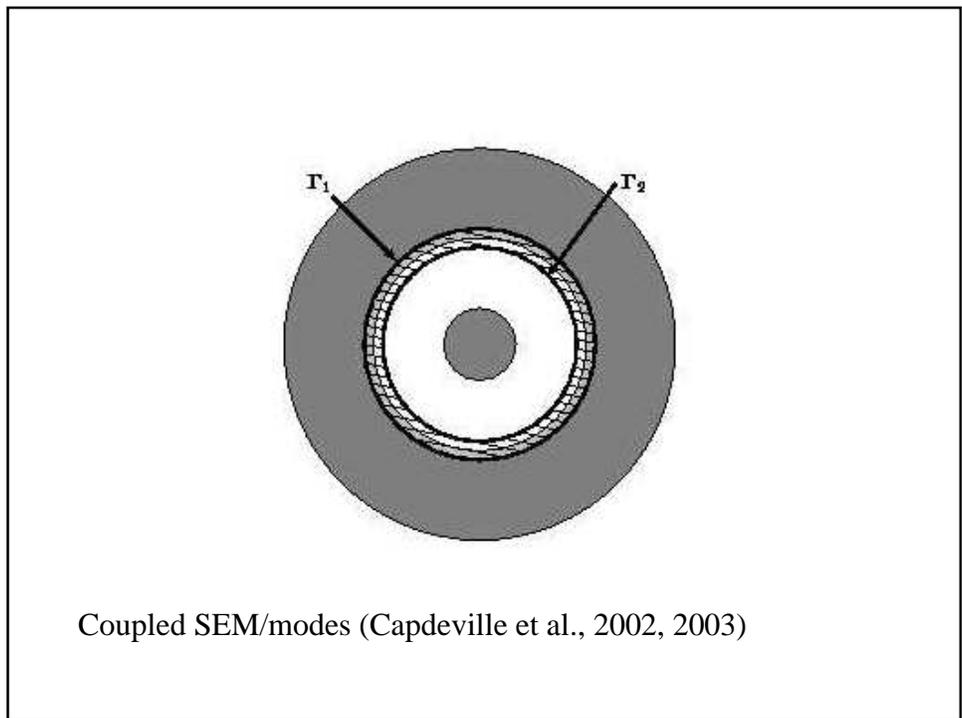
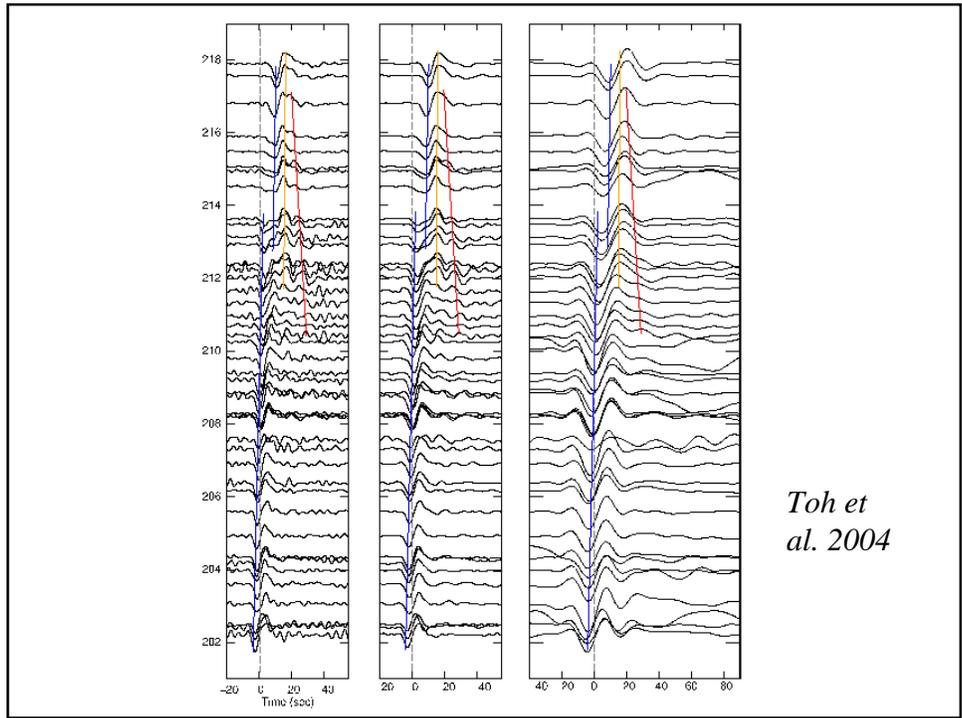
Modeling short scale heterogeneity



Seismology: Wave propagation in three dimensional media



Seismology: Wave propagation in three dimensional media



Seismology: Wave propagation in three dimensional media

