

SUB-BASALT IMAGING WITH WIDE-ANGLE SEISMIC DATA

Zeyu Zhao Advisor: Dr. Mrinal Sen

THE UNIVERSITY OF TEXAS AT AUSTIN

SCHOOL OF GEOSCIENCES

EDUCATION HISTORY

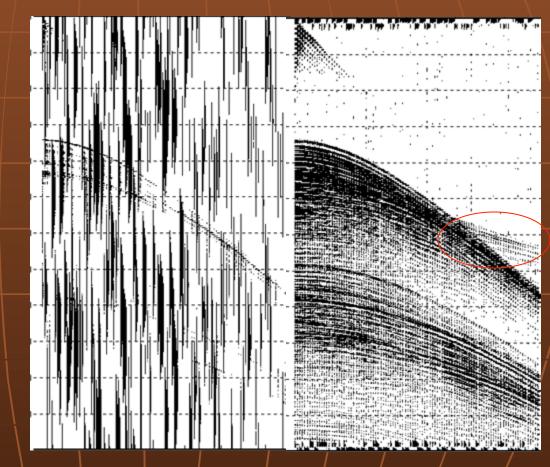
- China University of Petroleum (East China)
- Bachelor degree of engineering
- Prospecting technique and engineering(Applied Geophysics)
- University of Texas at Austin
- PhD Program
- Dr. Mrinal Sen
- Dealing with wide-angle seismic data mainly in Tau-p domain



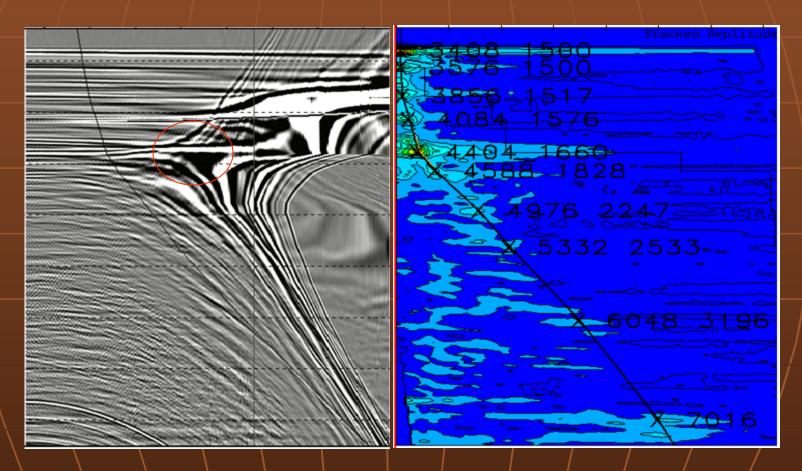
CDP Gather

Long-offset data

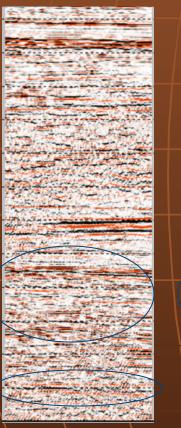
- Sub-critical Reflection
- Refraction
- Post-critical Reflection

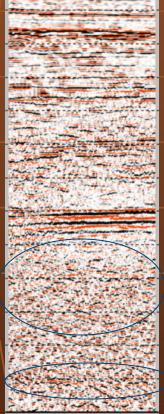


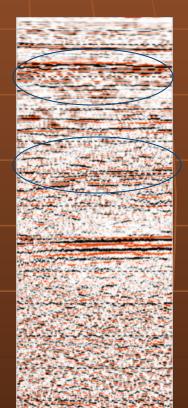










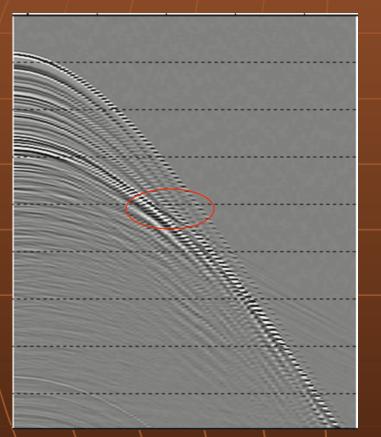




Demultipled Comparison



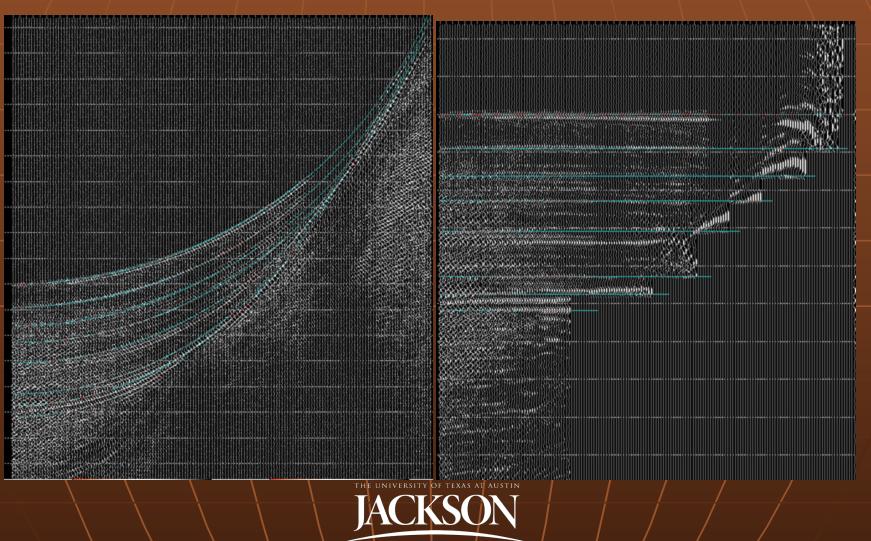
Stretch Mute Comparison



T-X Domain



Tau-p Domain



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FOLLOWING WORK

 Build up more accurate velocity model with wide-angle seismic data

- Study effects of anisotropy, and take the anisotropic effect into consideration in the Tau-p domain for the velocity analysis
- Try to incorporate migration methods into Tau-p domain



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