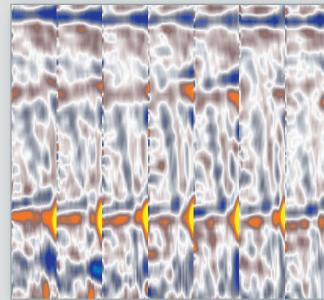
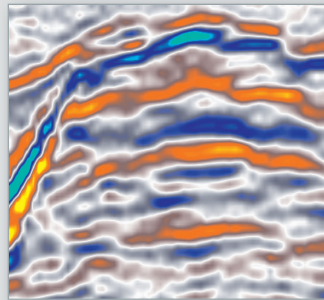
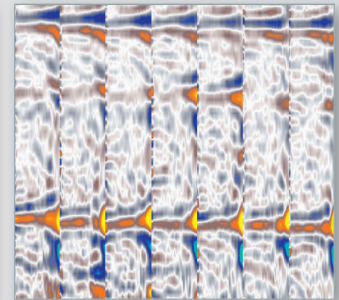


1



2



1 *Stack of GRT-gathers without Q-compensation (left), with Q-compensation (right)*

2 *GRT-gathers without Q-compensation (left), with Q-compensation (right)*

## Q-COMPENSATION IN TRUE-AMPLITUDE ANGLE GATHERS FROM GRT DEPTH MIGRATION

- Correcting the anelastic attenuation during migration
  - Accounting for the physical effect along propagation paths of seismic energy
  - Integrating the effect of Q along ray paths
  - Reflection-angle dependent correction
  - Phase-only-, Amplitude-only-, Phase-and-amplitude-options
  - Low noise level by stabilized amplitude Q-term and stationary dip-detection
- QC-ing and interpreting the Q-model with the migrated seismic
- Using Q-migration in all GRT-applications:
  - Marine surface, OBC, land data
  - PP- or converted-wave PP-PS-modus
  - Mirror-migration
  - TTI/ tilted-orthorhombic velocity models
  - Diffraction imaging

We offer services for full-fold migration area up to 2000 km<sup>2</sup>; from high resolution shallow to 10 km deep sub-salt imaging.

➔ Ask for target-oriented test projects.

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