

Paradigm 22

Leading Science | Deeper Insights

Key Benefits

Workflow Integration

Paradigm™ 22 marks an additional step towards full workflow integration. With classification and volume visualization workflows now available in Integrated Canvas, our users enjoy a comprehensive, one-stop shop for all their interpretation work.

Automation and Customization

Expanded automation and customization in our modeling applications further enhance product performance and usability, and accelerate time to results for both exploration and production.

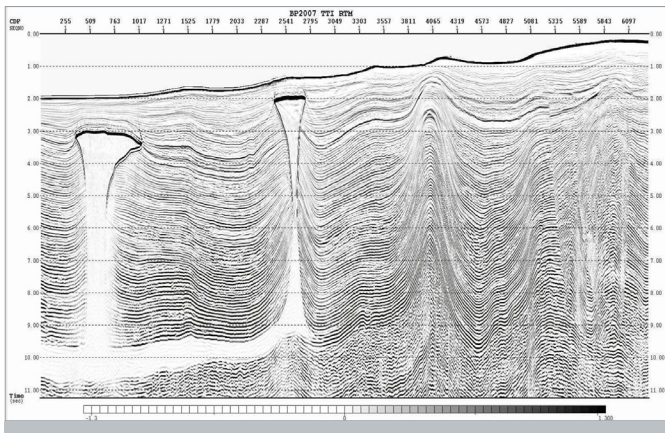
Performant, cost-effective file storage

Supports cloud-native object storage for seismic data, for more performant and cost-effective file storage.

High-resolution Seismic Processing and Imaging

Q Tomography

- A novel, stable and accurate Q tomography derivation. When input to EarthStudy 360 Imager, delivers enhanced imaging results and improved result accuracy.
- Azimuthally-dependent, based on EarthStudy 360
- Resolves Q with/without initial Q model (solving for Q/dQ)
- Attenuates QC attributes, visualizing/analyzing dynamic/attenuation properties on the pencils
- Includes traveltimes tomography features such as interpolation according to formation, update constraints (none, const, etc...)
- Iterative workflow with EarthStudy 360 Q compensation



▲ Anisotropic (TTI) Reverse Time Migration

Kaleidoscope RTM commercial release

Finite difference two-way wave equation implementation. Proper treatment of TTI with no converted wave energy artifacts. Optimized for GPU with TTI speeds near those of isotropic speeds.

Reduced computation time

- Further optimization of EarthStudy 360 GPU implementation

Automation of velocity uncertainty

- Improved automation of TPT workflow for multi-perturbation runs

Advanced Integrated Workflows for Everyday Interpretation

Volume-based interpretation replaces old user interface with new implementation in Integrated Canvas

- Create single or chained workflows
- Geobody detection on flattened volumes and constrained by polygon sets, adding significant value to structural, stratigraphic, quantitative and geobody-picking workflows

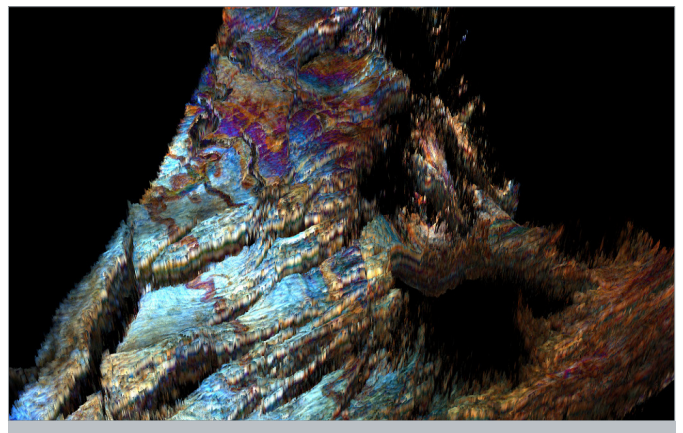
Improved performance working with large projects (survey activity and lazy loading)

- Control which data you see at any time, so you can focus on what's most important for that day's work

Accurate and Flexible Subsurface Modeling

Improved usability

- Performance when working with large data
- Workflow stability
- Improved data visualization, well correlation and mapping
- Faster data display and analysis



▲ Thick slab in volume fusion

