

# SeisImager/DH

## Downhole Data Analysis Software



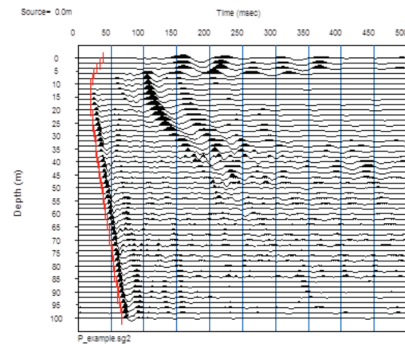
Downhole seismic surveying is a proven method for obtaining in situ subsurface information, often not available through surface seismic surveys. Applications include earthquake hazard site response studies, dam safety investigations, foundation studies, measurement of soil and rock properties, and velocity control for seismic reflection surveys.

SeisImager/DH is Windows-based processing and interpretation software for downhole seismic data. With SeisImager/DH, first breaks are identified quickly using the accurate automatic picker, with manual override as needed. Noisy data is cleaned up using comprehensive filtering. Waveforms are optimized using a unique polarization function that rotates and aligns horizontal components with the direction of particle motion. Layered velocity models are calculated using the robust least-squares method.

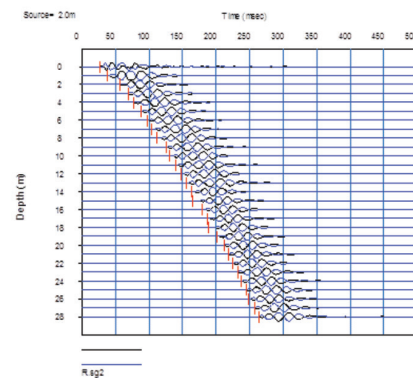
SeisImager/DH is available for purchase and rent. Contact Geometrics for prices and to find out more about how SeisImager/DH can work for you.

### Features & Benefits

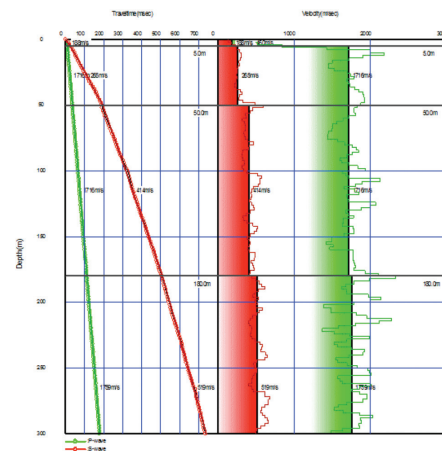
- Handles P-wave and S-wave downhole seismic data acquired with a variety of sensors (downhole hydrophone arrays, borehole geophones, suspension loggers).
- Allows first breaks to be picked automatically or by hand.
- Includes interactive quality control tools to optimize results.
- Calculates layered velocity models using robust least-squares method.
- Calculates particle motion and rotates waveforms into alignment (polarization).
- No fees for support, maintenance, or upgrades.



Example P-wave waveforms with first break picks.



Example S-wave waveforms with opposite polarity records overlaid to optimize first break picking.



Final velocity model showing P-wave and S-wave interval velocities.

Specifications subject to change without notice. SeisImagerDH\_v3 (0620DU)



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