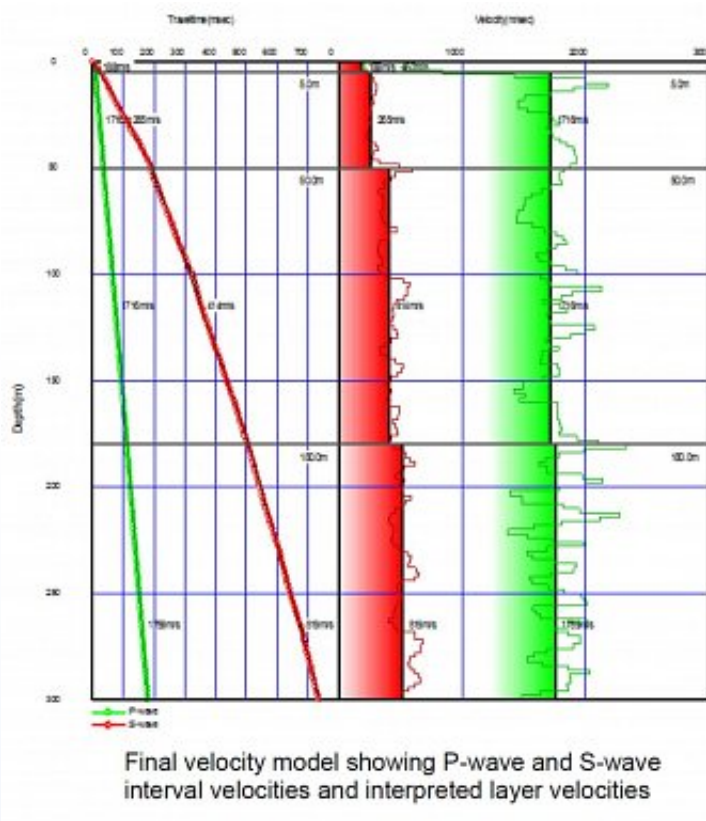


SeisImager DH Data Sheet

SeisImager/DH is an interactive processing suite for determining the P and S wave velocities from downhole seismic records.

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.



P & S wave Velocity models. Image Courtesy of Geometrics Inc.

First breaks are identified quickly with an accurate automatic picker, with manual override. Noisy data is cleaned using comprehensive filtering. Waveforms are optimised using a unique polarisation function that rotates and aligns horizontal components with the direction of particle motion. Calculate interval and layered velocity models using the robust least-squares method.

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Features

- Analyse P-wave and S-wave downhole seismic data acquired with a variety of sensors (downhole hydrophone arrays, borehole geophones, suspension loggers)
- Automatic and manual first break picking

- Calculation of interval and layered velocity models using robust least-squares method
- Specialised functions to calculate particle motion and rotate waveforms into alignment (polarisation)
- Interactive quality control tools to optimise results
- Optional add-ons for refraction and surface wave (MASW, microtremor, H/V spectrum) data processing .

Technical Specifications

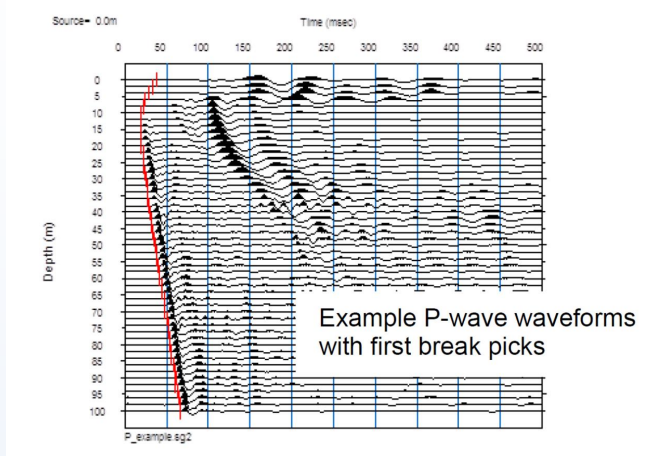
Operating System (OS): Windows XP to Windows 10.

RAM Memory: Minimum 1Gb.

Protection: Activation code. Provided via email.

Options: SeisImgerDH is available as an additional module or stand alone software package.

Gallery



Downhole shot record with first break picks. Image courtesy of Geometrics Inc.