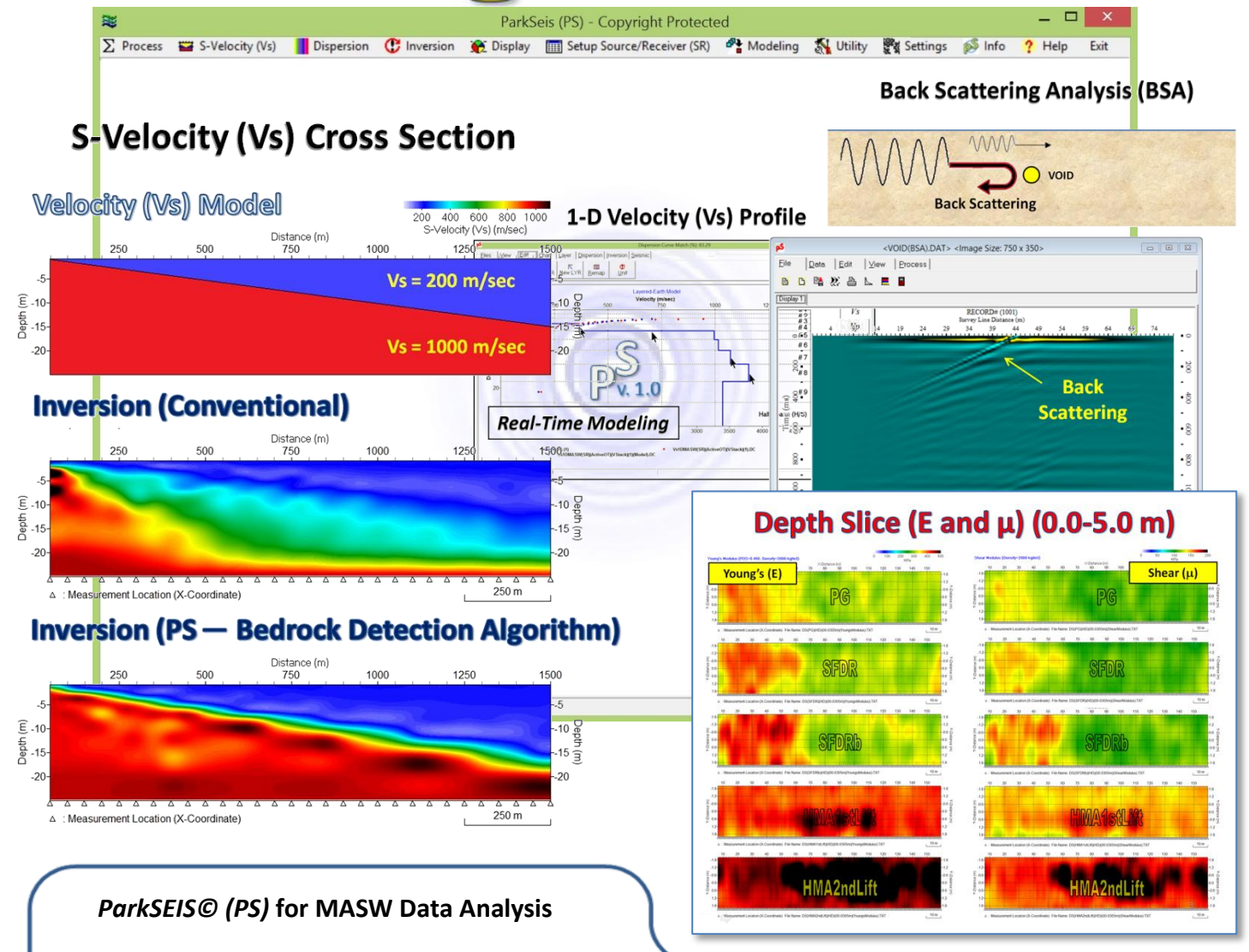
ParkSEIS©

Comprehensive Tool For Multichannel Analysis of Surface Waves (MASW)



ParkSEIS© (PS) for MASW Data Analysis

ParkSEIS© (PS) presents the most up-to-date algorithms in the development of MASW method to ensure accurate analysis results. It provides the most comprehensive tools to process data acquired through active and passive MASW (as well as refraction) surveys for

- shear-wave velocity (Vs) profiles (1-D, 2-D, and depth slice)
- back scattering analysis (BSA) for anomaly detection (voids, tunnels, boulders, weak zones, etc.)
- common-offset sections for quick evaluation of subsurface conditions
- modeling MASW seismic records and dispersion curves

ParkSEIS© (PS) has been rigorously tested by processing data sets from hundreds of different sites under Windows XP, Vista, 7, and 8 operating systems with a minimum 1GB memory. It is available for purchase and lease. Visit www.parkseismic.com for more information or contact parkseis@parkseismic.com.

ParkSeismic LLC, Tel: 347-860-1223, contact@parkseismic.com

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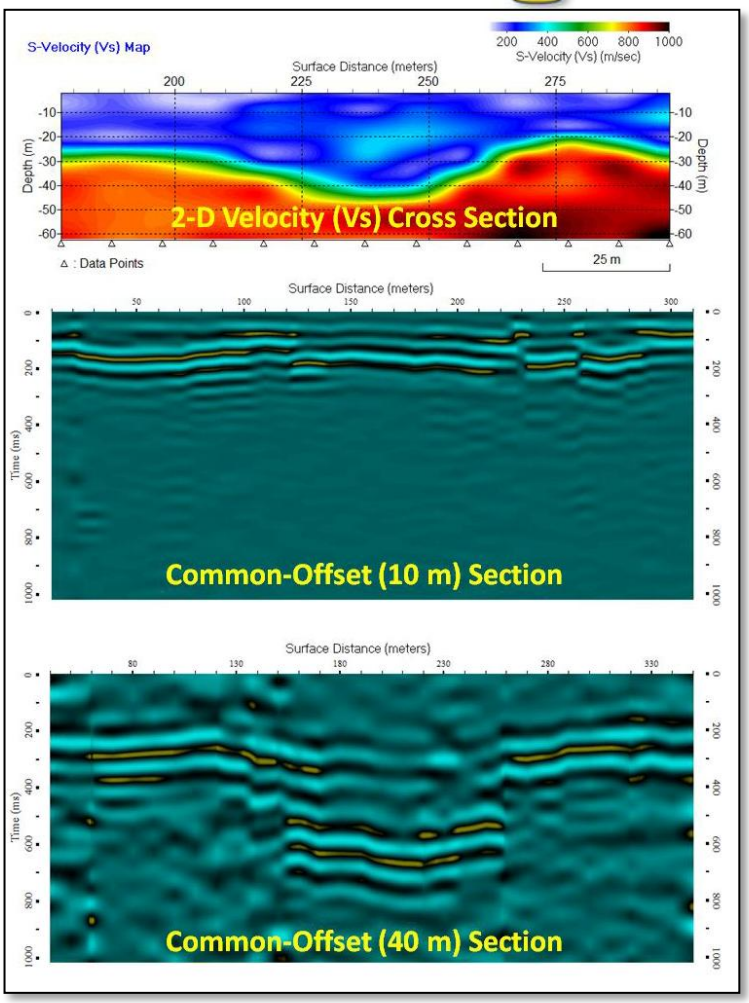
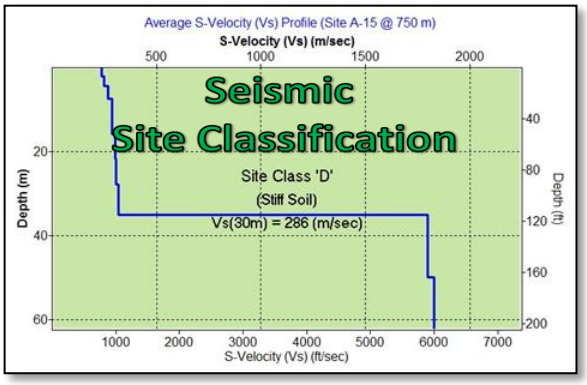
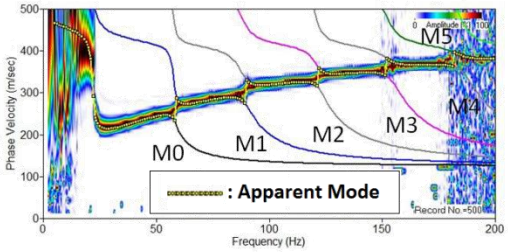
Comprehensive Tool For Multichannel Analysis of Surface Waves (MASW)

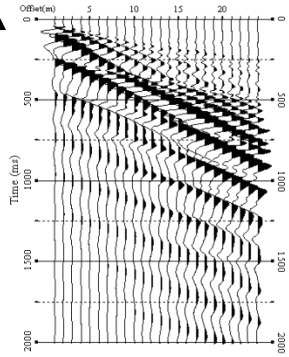




Dispersion (Curves and Image)



Seismic Record (24-Channel)



MODELING
Dispersion
&
Seismic

ParkSEIS© (PS) for S-Wave Velocity (Vs) Profiling

ParkSEIS© (PS) generates shear-wave velocity (Vs) profiles through a few steps of data analysis by using seismic data from MASW (and refraction) surveys. It can generate

- an average 1-D (depth) shear-wave velocity (Vs) profile from a small number of (for example, 3-10) field records,
- a 2-D Vs cross section from many (for example, 10-1000) field records,
- Vs profiles by using field records collected not only from MASW but also from refraction surveys, and
- shear and Young's modulus cross sections from the analyzed Vs cross section.

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