

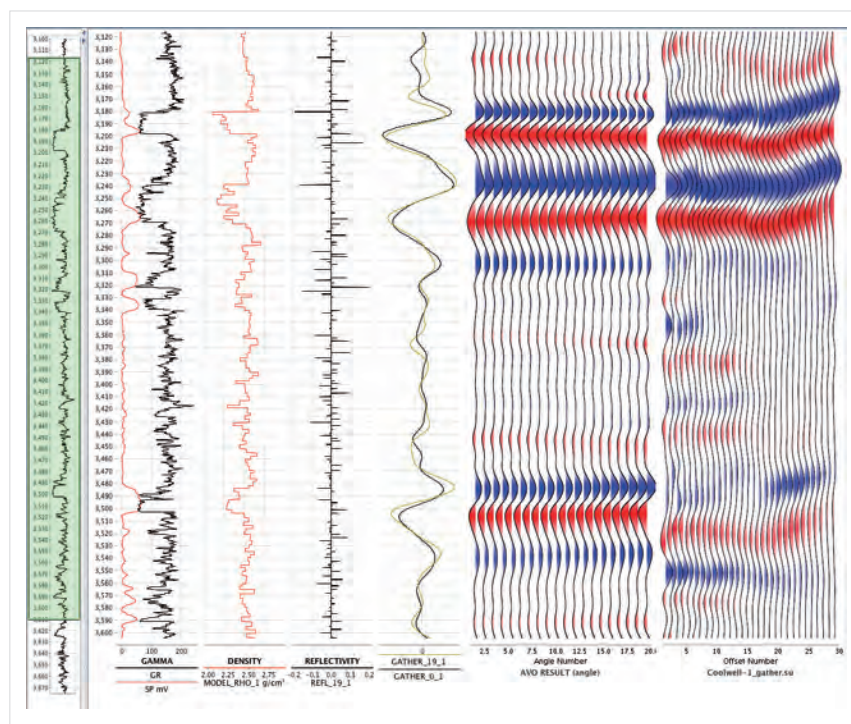
dug mod+

DUG Mod+ is DownUnder GeoSolutions' forward modelling toolkit. It includes the following software modules:

- DUG Rock (depth dependent end-member lithology trend interpretation)
- DUG Distill (stochastic AVO and rock property forward modelling)
- DUG Well (including deterministic AVO modelling of well logs)
- DUG Insight (including 3D synthetic modelling while interpreting)

The DUG Mod+ toolkit has been developed through years of successful delivery of quantitative interpretation services, and runs on Linux, Windows and Mac OS X operating systems. As with all DUG Software, users will be fully supported by online tutorials, manuals, forums and updates.

Visit us at www.dugsw.com to discover more about DUG Software.



Deterministic AVO modelling of gathers in DUG Well.

Some key features of DUG Mod+

DUG Rock

- Easy point, click and drag interpretation for picking end-member lithologies
- Rapid QC is enabled by interactive updates and synchronised navigation between logs, cross plots and tabulated pick data for multiple wells
- Generation of depth-dependent, end-member trends which capture the inherent scatter in elastic rock properties
- Create and import reference and composite lithology trends for comparative displays
- Gassmann fluid substitution to correct trends (of porous lithologies) back to a common reference fluid
- Save and load sessions

DUG Distill

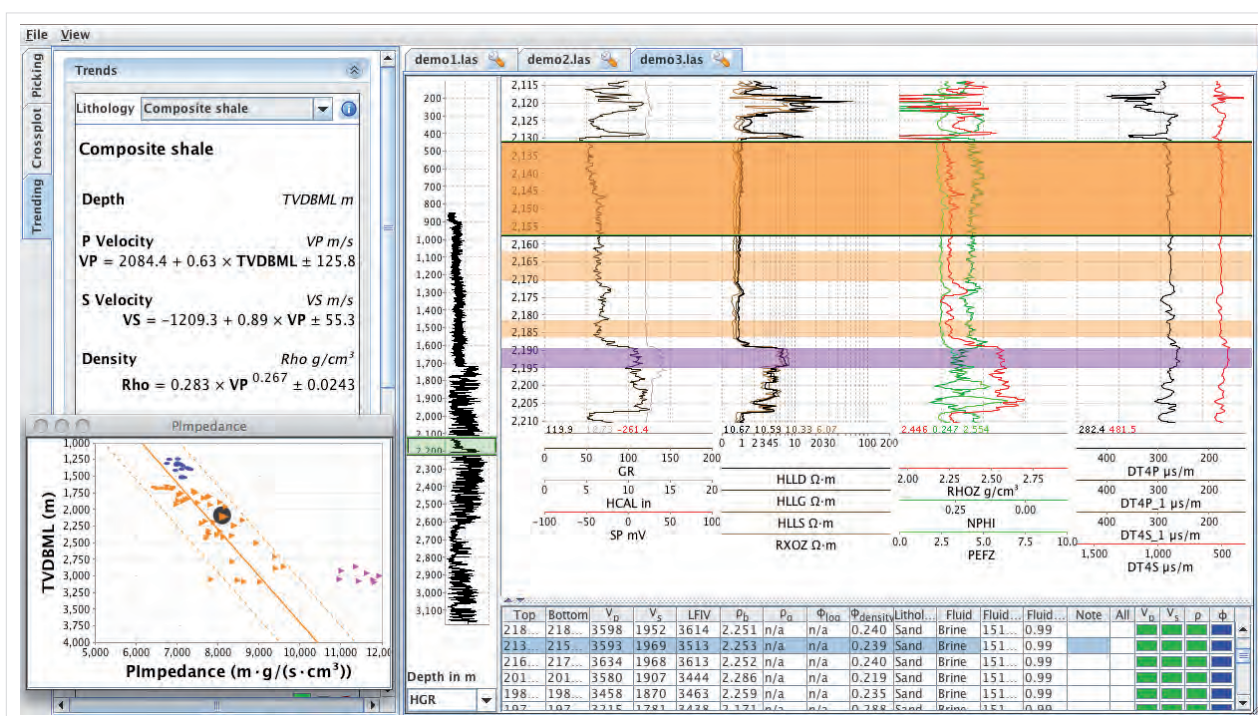
- Depth-dependent stochastic forward modelling (Monte Carlo simulation) of AVO and rock properties using trends from DUG Rock
- Flexible crossplot displays including 1D and 2D probability density functions (PDFs)
- Create different fluid and lithology combinations using mixing models and Gassmann fluid substitution

DUG Insight

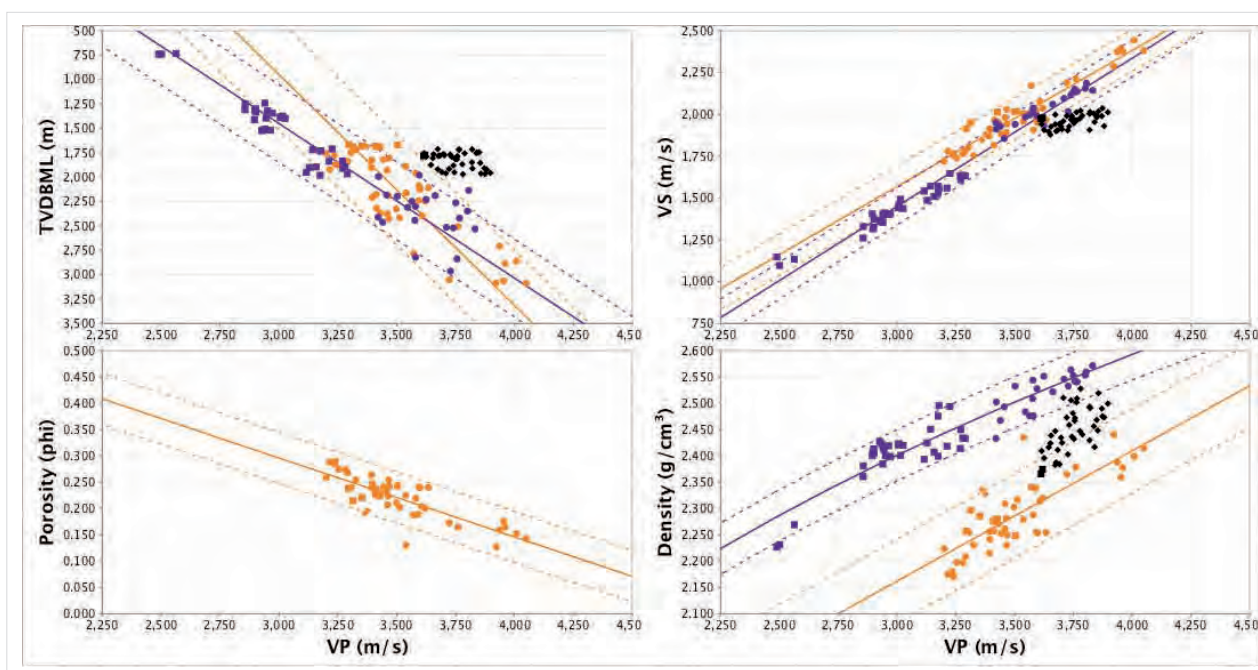
- Please refer to separate information sheets

DUG Well

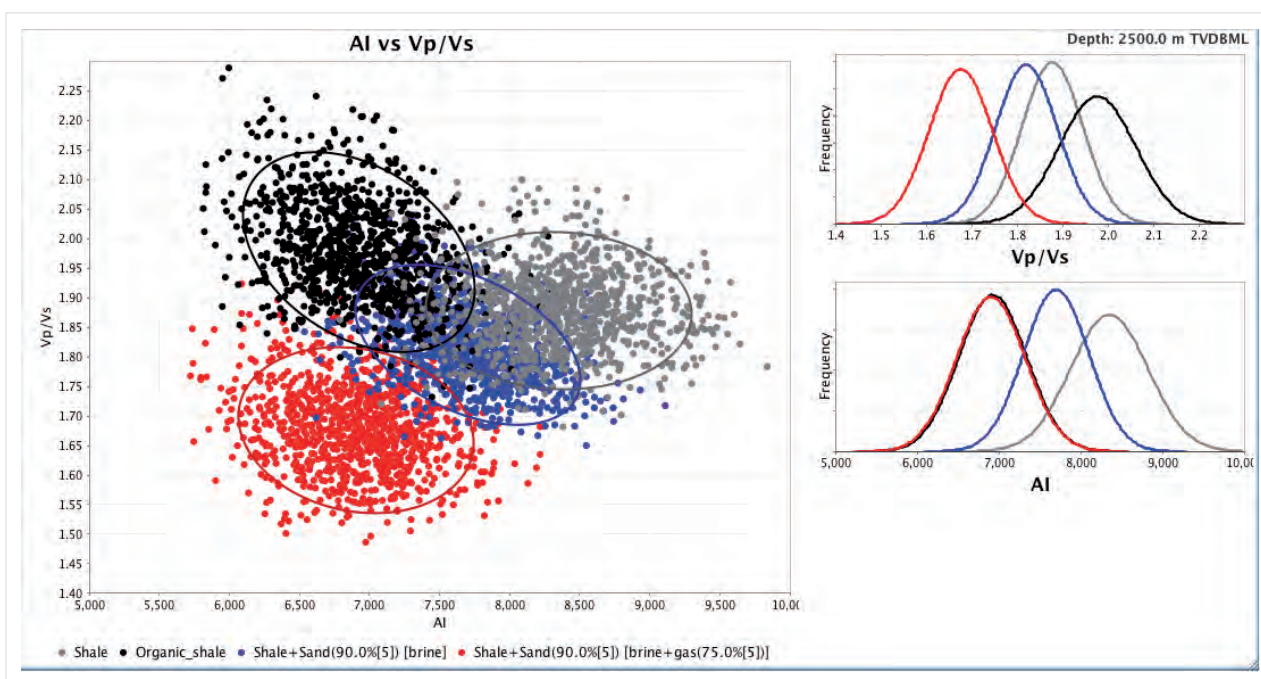
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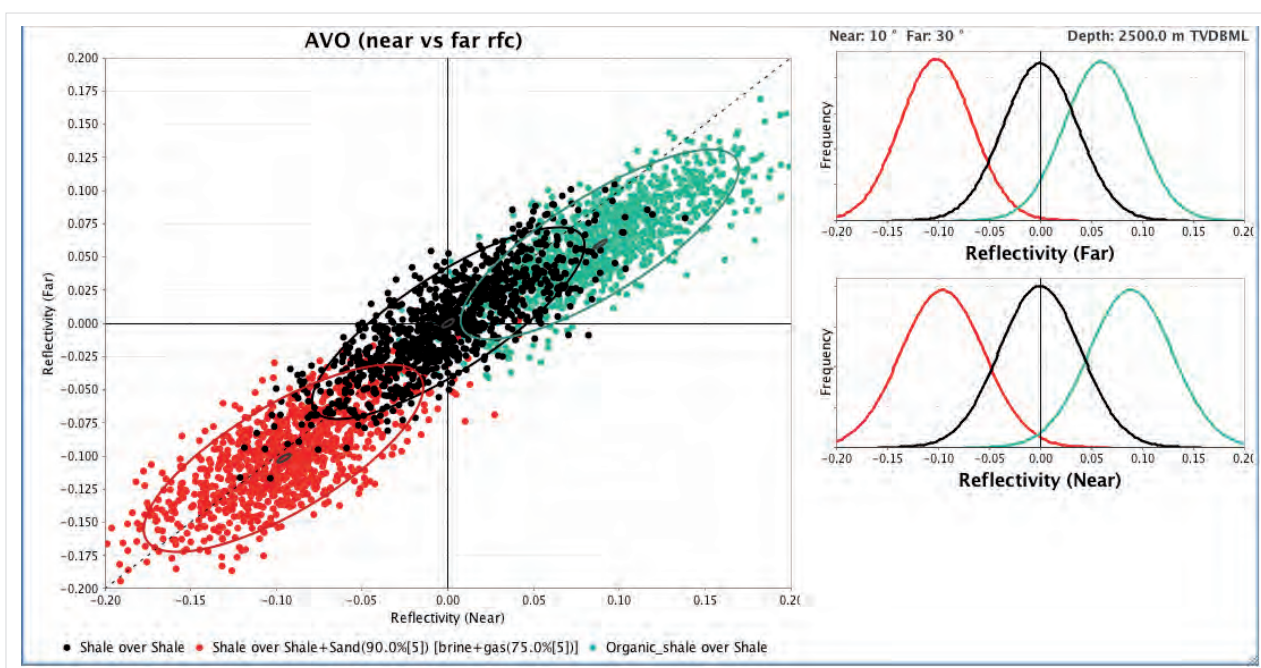
Interactive end-member lithology picking in DUG Rock.



Elastic property crossplots with interactive updates of interpreted picks and trends.

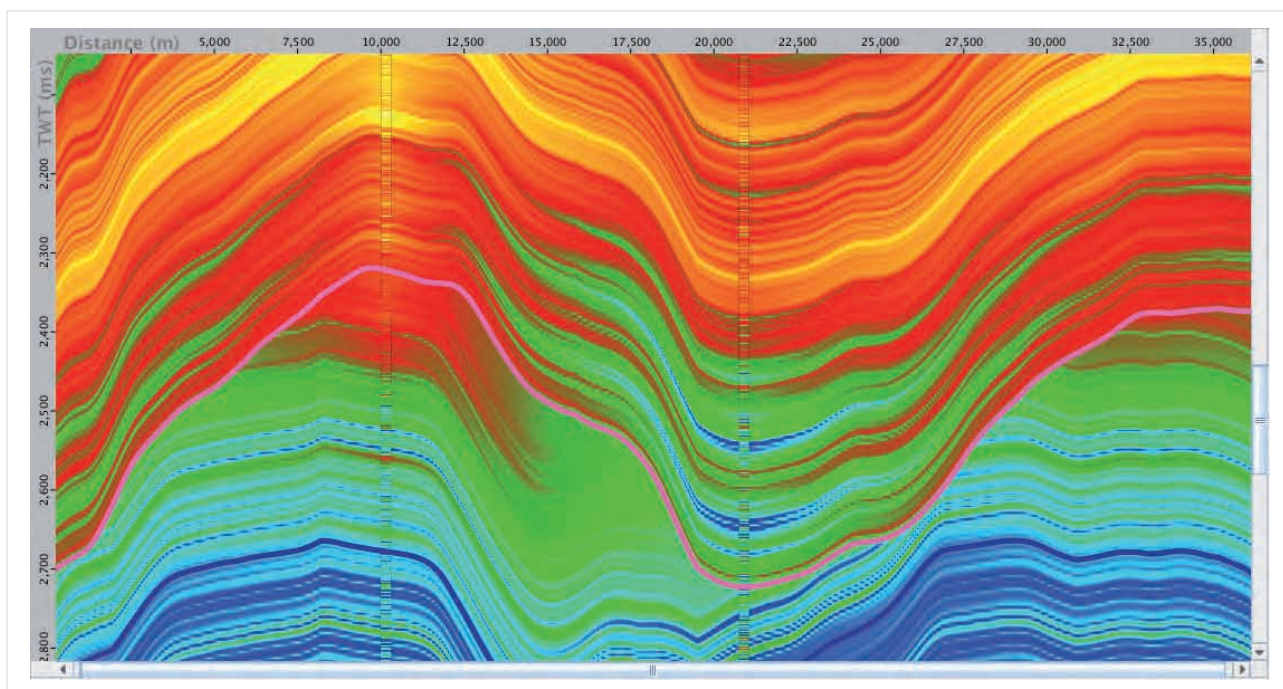


Stochastic modelling of absolute rock properties for different lithology and fluid combinations in DUG Distill.

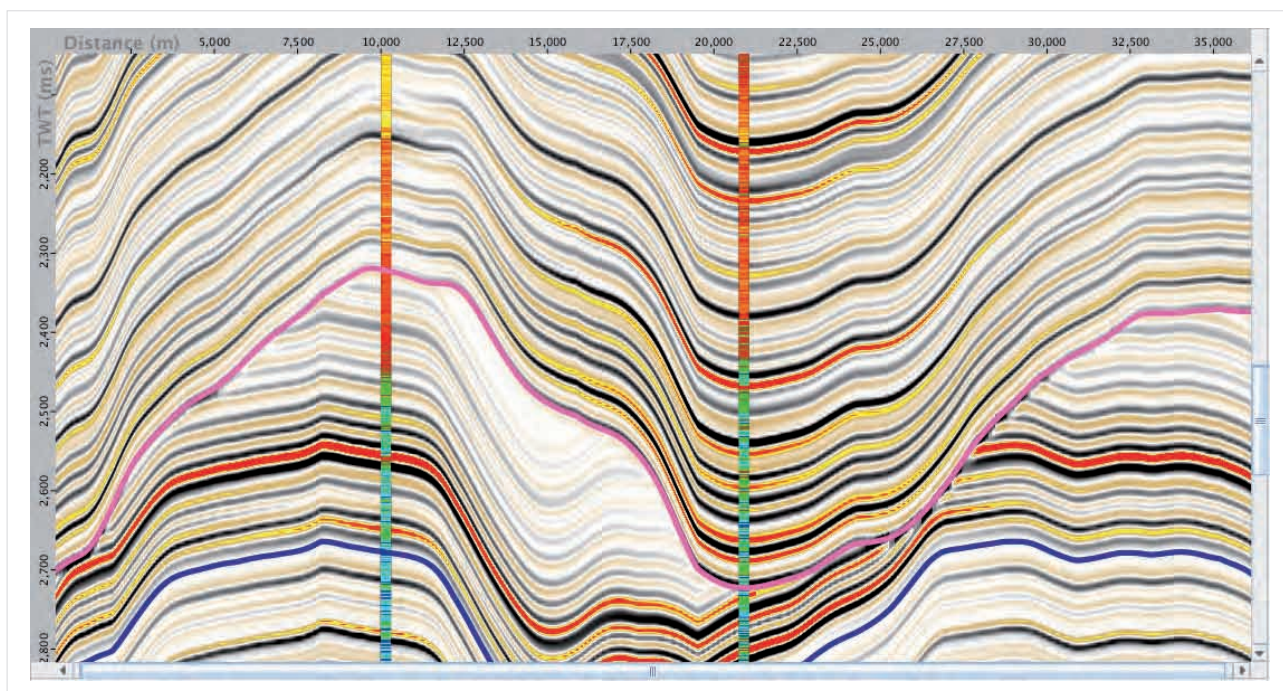


Stochastic AVO modelling in DUG Distill.

dug mod+



Impedance model built on the fly using well log data, interpreted horizons and stratigraphic conformability constraints.



Real time synthetic modelling while interpreting in DUG Insight.

Find us at www.dugeo.com. Plus we have offices in Perth Australia, Jakarta Indonesia, Kuala Lumpur Malaysia and Houston USA.