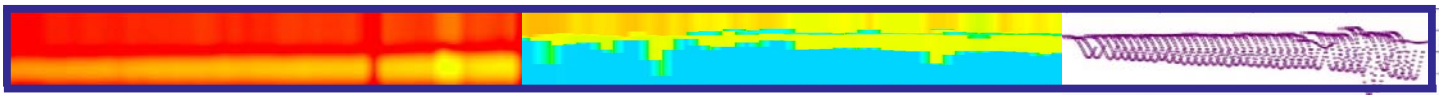
KMS Technologies

Innovating Solutions

IX1D-tCSEM™

Marine EM sounding inversion



Interactive marine EM sounding inversion

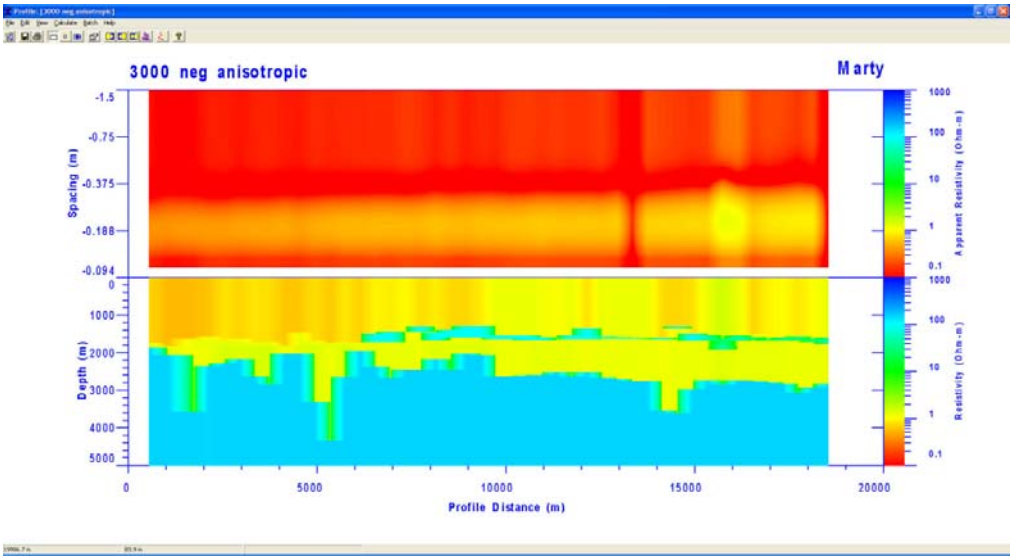


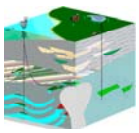
Figure 1: Inline E data displayed as pseudosection and smooth model displayed as a colored section.

IX1D-tCSEM™ is a marine Electromagnetic (EM) interpretation software that performs 1-dimensional (1D) DC Resistivity, Induced Polarization (IP), magnetotelluric (MT), TEM and electromagnetic sounding and inversion.

IX1D-tCSEM™ features

- Data and models can be imported from and exported to ASCII files.
- Well log data can be imported, and number of layers can be reduced.
- Graphics are exported in DFX, CGM, or WMF formats.
- Multiple soundings can be displayed in a single database file.
- Allows to fix resistivity and/or depth for inversion calculations.
- Ridge Regression or Occam's inversion can be calculated.
- Bostick and Niblett inversions can be calculated from MT data.
- Layered model, smooth model, equivalence analysis, or all three of these can be displayed in a sounding window.
- TEM/MT/AMT joint inversion capability for marine MT, CSEM and tCSEM™.
- Support anisotropy models for MT and CSEM applications.

INTERPEX



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V 1.0

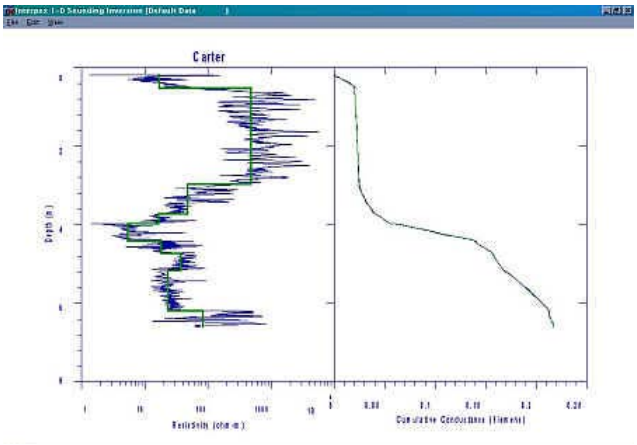

Figure 2: Resistivity well log shown with layered model decomposition.

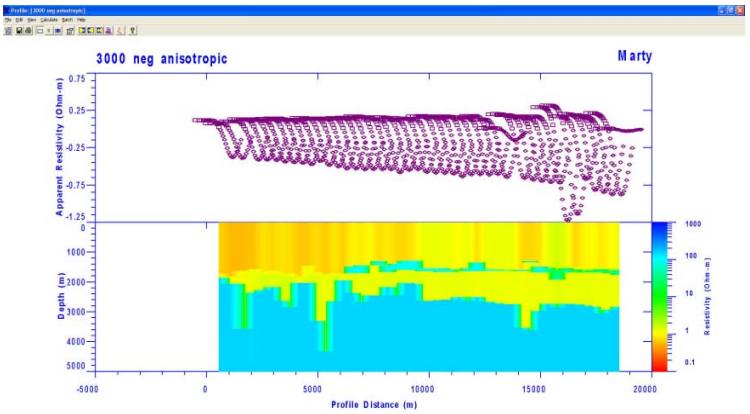

Figure 3: Display of inline E data with apparent resistivity displayed as curves on a Zaborovsky plot and smooth model displayed as colored section.

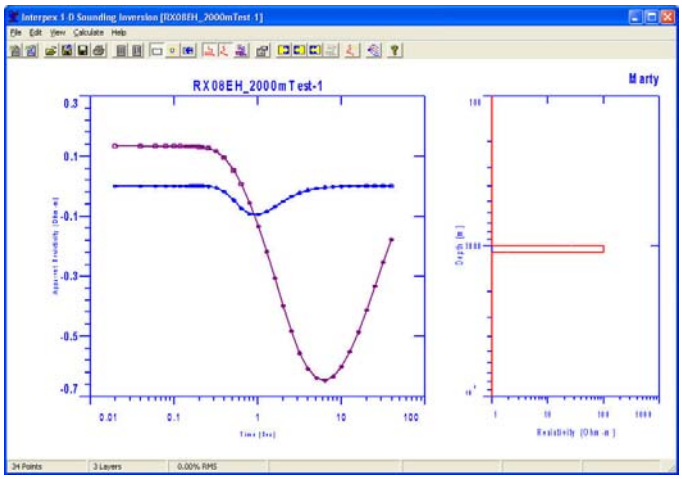

Figure 4: Sounding window graphic screen

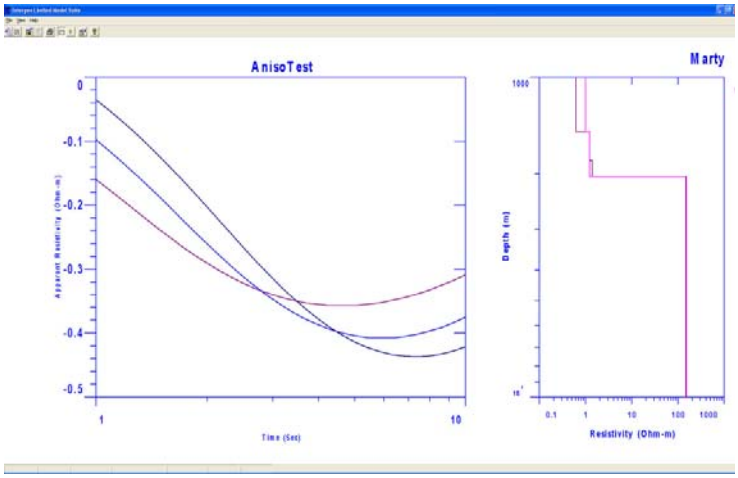

Figure 5: Model Suite window showing 3 curves for varying offsets with the same anisotropic model.

Supported data

IX1D performs forward and inverse modeling with the following data:

- TEM inline E, crossline H, broadside E, joint inline E with crossline H soundings.
- Step on, step off, or impulse current.
- Frequency domain inline E and broadside E data.
- Isotropic or anisotropic resistivity models.

How to order

Option 1: Please follow the instructions for ordering at http://www.interpex.com/Ordering.htm
Option 2: Submit an order form online at http://kmstechnologies.com/order_form.html