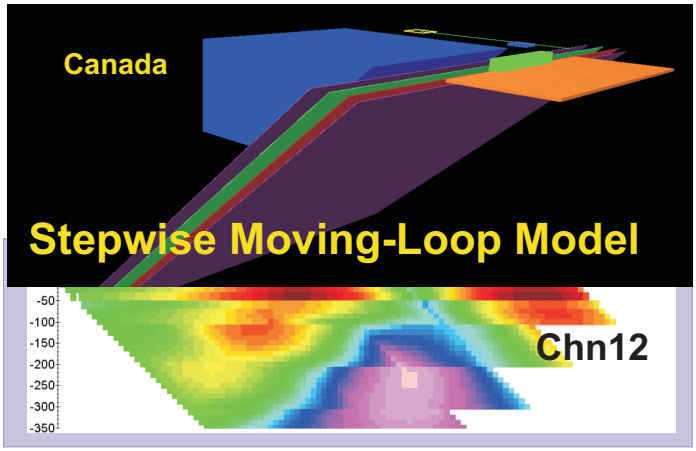
EMIGMA 11
TDEM

For Vista/W7 /W8.1/W10/W11

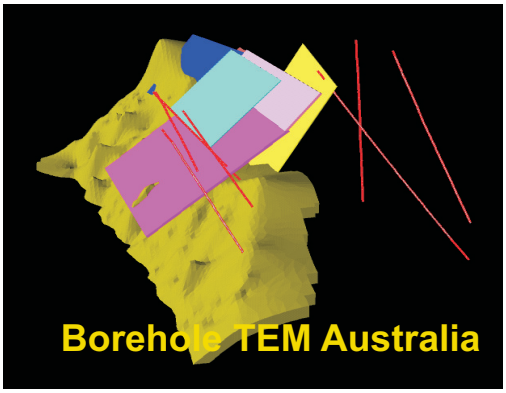
EMIGMA for TDEM
ground, airborne, borehole, underground

Time Domain EM
ground, airborne, borehole, marine
Impulse and Step Response
Coil and Magnetometer Sensors
accurate system response

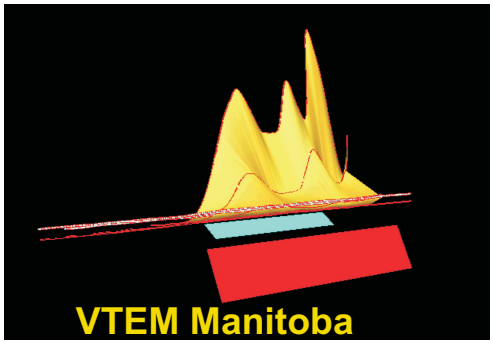
Zonge, TerraTEM, Geonics, TEM-FAST, Phoenix, WTEM , DigiAtlantis, SMARTEM, Crone, UTEM VTEM, SkyTEM, HeliTEM, GEOTEM, MEGATEM, GENESIS



Data Processing
- Data and position correction
- 1D digital, spatial and statistical decimation filters
- Impulse to Step & coil to magnetometer processing
- Decay rate processing and imaging
  - for grids and individual points
  - survey grid transformations
- Complete tools for airborne QC/QA and compilation



Data Display and Analyses
- Survey & data imaging,
  - contouring with rapid transitions
- 3D Surfaces ~ Contours ~ ~ Line Plots
- 5 interpolation techniques with accurate inline sampling
- Time Decay maps
- Easy &quick transitions for all display applications
- Pseudo-depth displays and apparent rho calculations



3D Modeling
- Extremely Fast and Accurate 3D simulations
- Very Accurate/Fast Induct ive Plate algorithm
  - with conductive background
- 3D visualization model definition with data display
- Unlimited prism, plate and polyhedra targets
- Freespace and Conducting Background Models
- Multiple body interactions, Magnetic and IP effects in EM data
- Topography effects and full contrast handling
- Fast, accurate multi-plate inductive responses

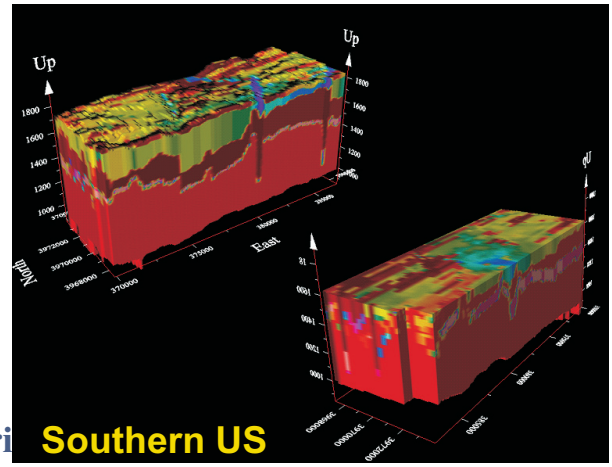
Processing, Imaging & Interpretation Suite for Mining, Oil & Gas, Near Surface
Exploration, Environmental, UXO, Geotechnical, Delineation

EMIGMA 11

For Vista/W7 /W8.1/W10/W11

Time Domain EM

ground, airborne, borehole, marine, xhole



Airborne TEM Inversion

1D Inversions

- Ground, Airborne and Borehole Surveys
- Accurate system response for coil or magnetometer receivers
- Smooth Occam and discrete Marquardt-style algori
- Multiple starting models with full constraints including lateral constraints
- In-loop, Out-of-Loop, Moving Loop and Fixed Loop Configurations
- Vertical and Horizontal fields

- Multi-station Inversions,
- Multi-Frequency Inversions,
- Multi-Separation Inversions for moving loop
- Multi-Receiver Inversions
- Moving data station window

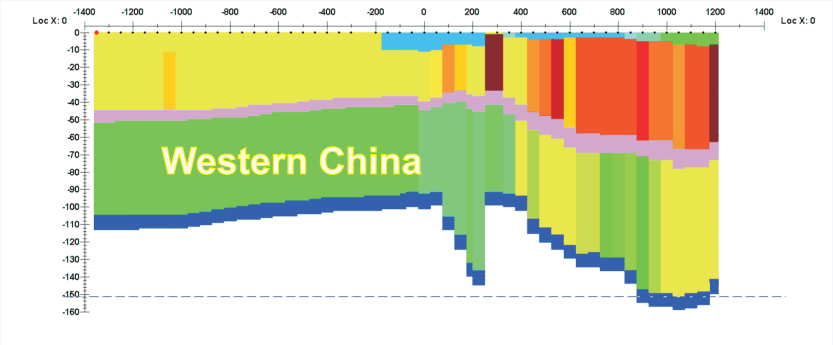
- Step and Impulse Response

- Automatic intermediate model saving for large data sets

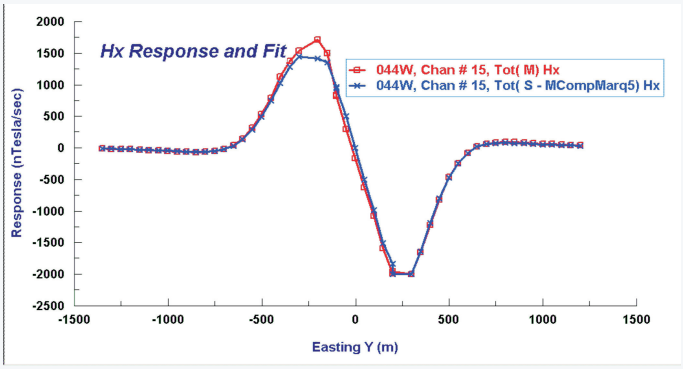
- User-controlled stop and start capability

- 2D section and Depth slice visualization and exports

- 3D volume displays with section and depth cutting



Ground Fixed Loop Multi-Component Inversion



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