EMIGMA 11.x

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

TDEM

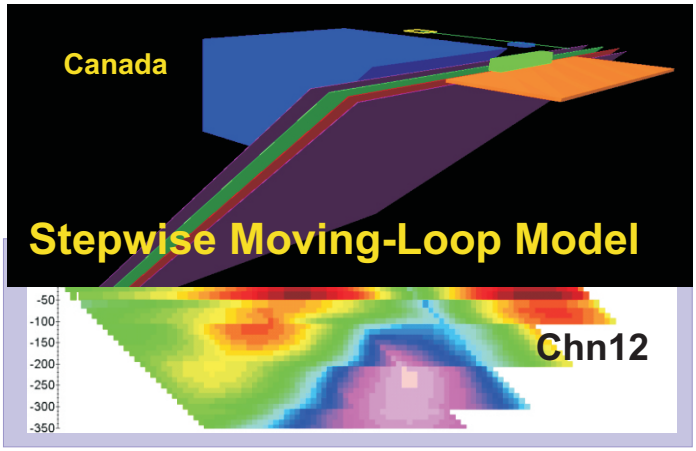
EMIGMA for TDEM

ground, airborne, borehole, underground

Time Domain EM

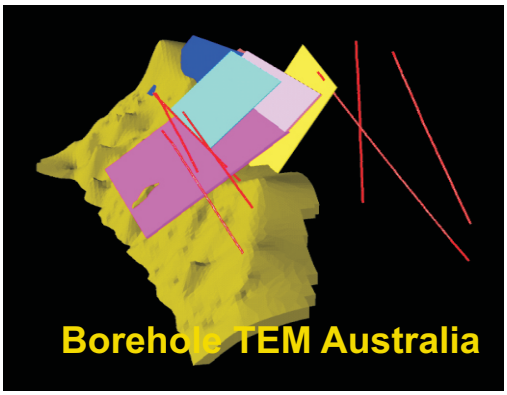
ground, airborne, borehole, marine
Impulse and Step Response
Coil and Magnetometer Sensors
accurate system response

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



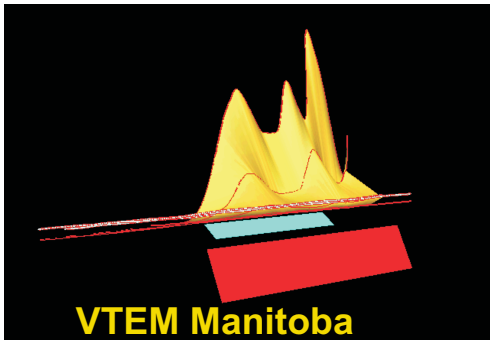
Data Processing

- 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

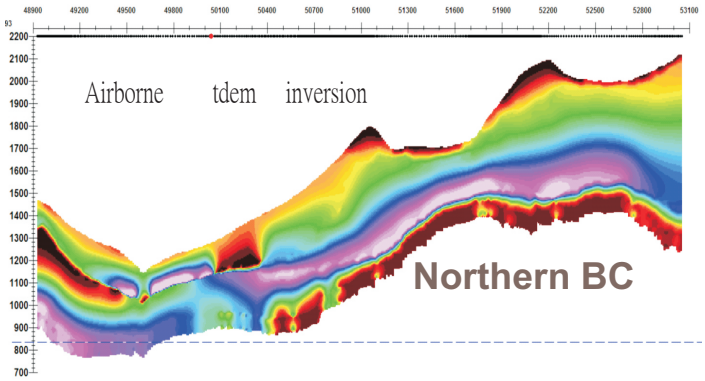
Exploration, Environmental, UXO, Geotechnical, Delineation

EMIGMA 11.x

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

Time Domain EM

ground, airborne, borehole, marine, xhole

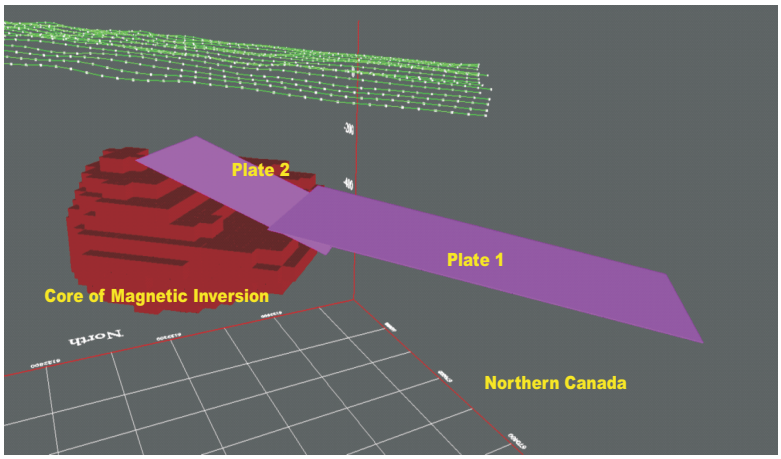


1D Inversions

- Ground, Airborne and Borehole

- Accurate system response for coil or magnetometer receivers
- Smooth Occam and discrete 1D algorithms
- Multiple starting models with full constraints including lateral constraints
- In-loop, Out-of-Loop, Moving Loop and Fixed Loop Configurations
- Vertical and Horizontal fields

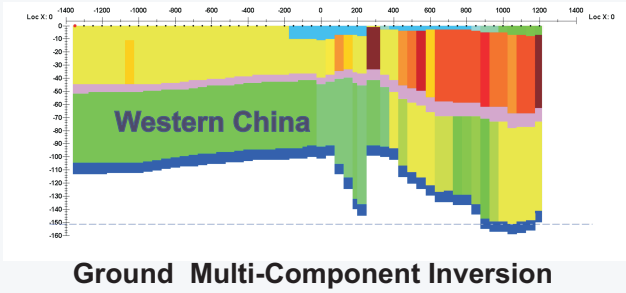
- Multi-station Inversions,
- Multi-Frequency Inversions,
- Multi-Separation Inversions for moving loop
- Multi-Receiver Inversions
- Moving data station window
- Step and Impulse Response
- User-controlled stop and start capability
- 2D section and Depth slice visualization and exports
- 3D volume displays with section and depth cutting



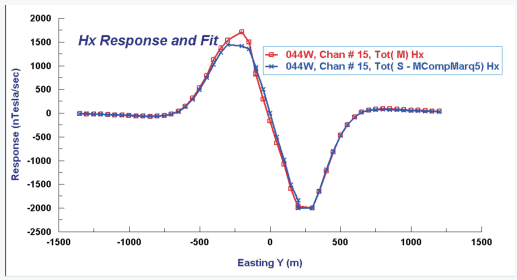
Magnetic inversion model with plate inversion model

3D Inversions

- Single and Multi-plate inversions
- Ground, Airborne and Borehole
- Two inversion Techniques
- Single or Multi-component
- User control of time windows
- User survey area controls



Ground Multi-Component Inversion



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