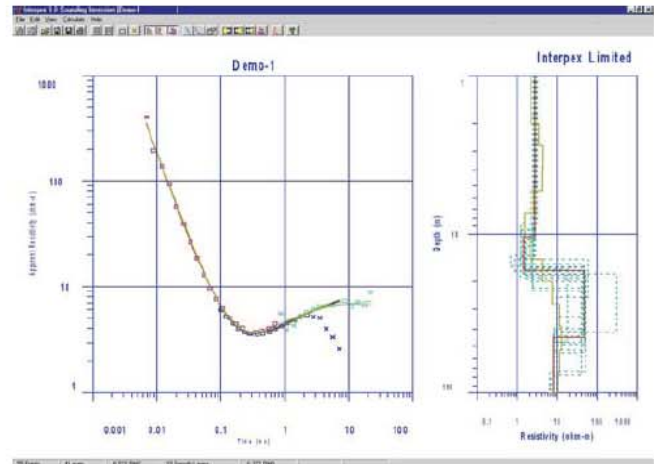
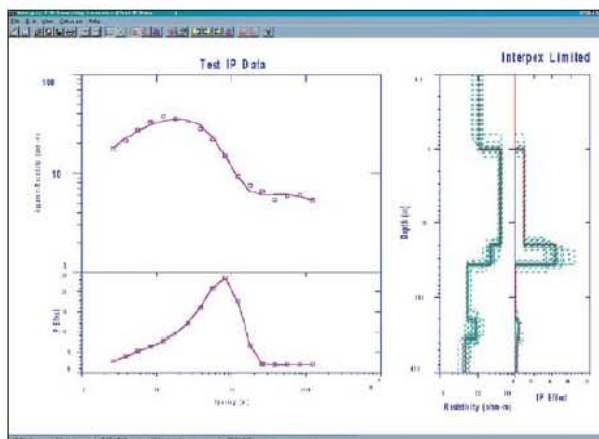
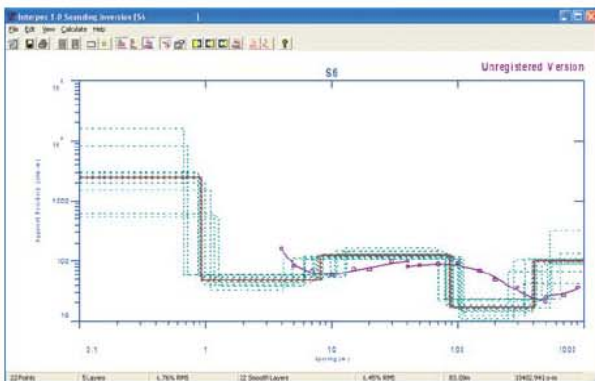


# IX1D v 3

## 1D Sounding Interpretation

IX1D v 3 does it all:

- ▶ DC Resistivity (with IP)
- ▶ EM Conductivity
- ▶ Frequency EM
- ▶ Magnetotellurics
- ▶ Transient EM (TEM) (extra license fee required)



### TEM Interpretation Features

- ▶ Unlimited multiple sweeps with no length limit
- ▶ Voltage display with log or linear time axis
- ▶ Data spreadsheet with Sweep frequency, ramp time, receiver area, current and Tx loop turns
- ▶ Time, Voltage, Mask values scroll horizontally
- ▶ Save and Retrieve Timebases
- ▶ Data Import from Flat ASCII file, TEMIX .TEM file or from USF file format

**TEM Time/Voltage Entry/Edit**

Data Set Name: Demo-1 Units: [meters]

Easting: 0.75010E+0 Northing: 0.45001E+0 Elevation: 0.0000 Easting: Northing

Azimuth: 0.0 (deg) (0 is North) Use Masked Points? Loop Size: 76.000 76.000

Central Loop TEM Receiver Coil Position: 0.0000 0.0000

| Sweep | Freq (Hz) | Ramp (uS) | Coil Area (m <sup>2</sup> ) | Current (A) | Tx Turns |
|-------|-----------|-----------|-----------------------------|-------------|----------|
| 1     | 300.00    | 4.2000    | 31.400                      | 0.50000     | 1        |
| 2     | 30.000    | 4.2000    | 31.400                      | 0.50000     | 1        |
| 3     | 3.0000    | 75.000    | 100.00                      | 22.000      | 1        |

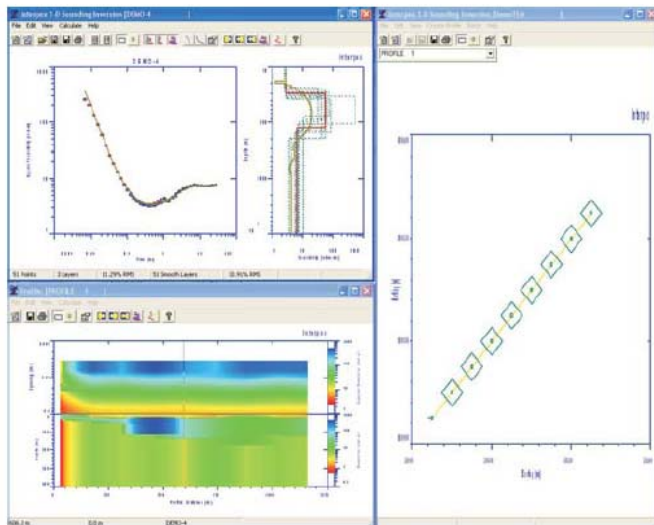
| No. | T Sw 1  | V Sw 1  | Mask                                | T Sw 2  | V Sw 2  | Mask                                | T S |
|-----|---------|---------|-------------------------------------|---------|---------|-------------------------------------|-----|
| 1   | 0.00685 | 45932.5 | <input checked="" type="checkbox"/> | 0.10000 | 31559.3 | <input checked="" type="checkbox"/> | 0.0 |
| 2   | 0.00895 | 70390.2 | <input type="checkbox"/>            | 0.12100 | 24513.2 | <input type="checkbox"/>            | 1.0 |
| 3   | 0.01208 | 55875.1 | <input type="checkbox"/>            | 0.15100 | 17400.2 | <input type="checkbox"/>            | 1.3 |
| 4   | 0.01572 | 52541.2 | <input type="checkbox"/>            | 0.18800 | 11938.9 | <input type="checkbox"/>            | 1.7 |
| 5   | 0.02005 | 59305.9 | <input type="checkbox"/>            | 0.23100 | 8009.5  | <input type="checkbox"/>            | 2.1 |
| 6   | 0.02617 | 54056.6 | <input type="checkbox"/>            | 0.29100 | 4772.4  | <input type="checkbox"/>            | 2.7 |
| 7   | 0.03345 | 52115.8 | <input type="checkbox"/>            | 0.36500 | 2760.9  | <input type="checkbox"/>            | 3.0 |
| 8   | 0.04210 | 49619.8 | <input type="checkbox"/>            | 0.45200 | 1595.0  | <input type="checkbox"/>            | 4.3 |

Buttons: Open Timebase, Save Timebase, Save Timebase As, Insert Cell, Delete Cell, Insert Row, Delete Row, Column Math: Add To, Multiply By, OK, Cancel

# IX1D v 3

## 1D Sounding Interpretation

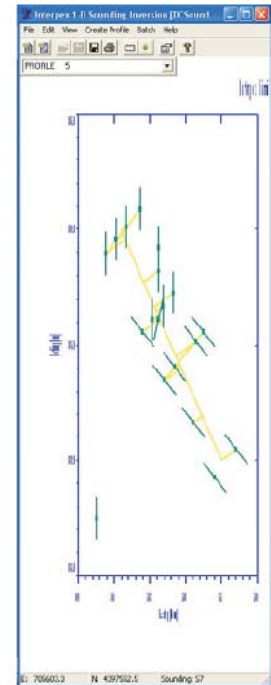
With Profile & optional TEM Support



**Calculation Features:**

- Graphical Model Editing
- Model Copy/Paste
- Model Paste to All
- Forward modeling
- Inverse modeling
- Equivalence Analysis
- Parameter Fixing
- Smooth Model Estimation
- No limit on number of model layers
- Detailed Batch and Quick Batch

Models for DC Resistivity, with or without IP, can be displayed on the same axes as the data



- Map display of all soundings in database
- Interactive sounding interpretation window
- Interactive profile display window
- Profile, colored section and pseudosections
- Create profiles from soundings graphically
- Import profiles of soundings from XYZ files
- No limit on number or size of soundings
- No limit on number of profiles

