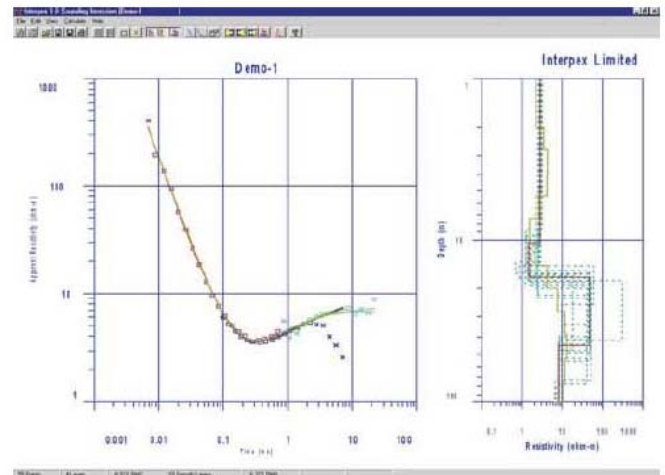
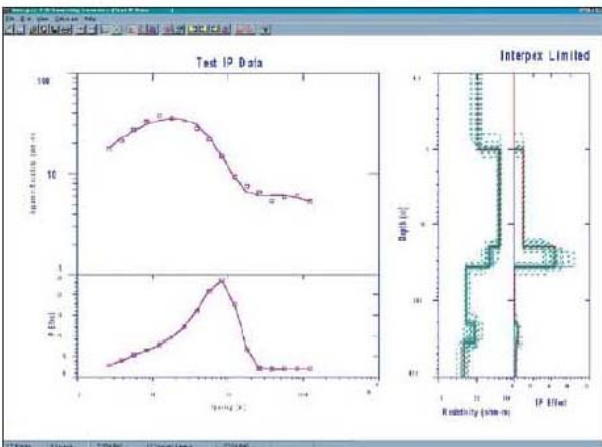
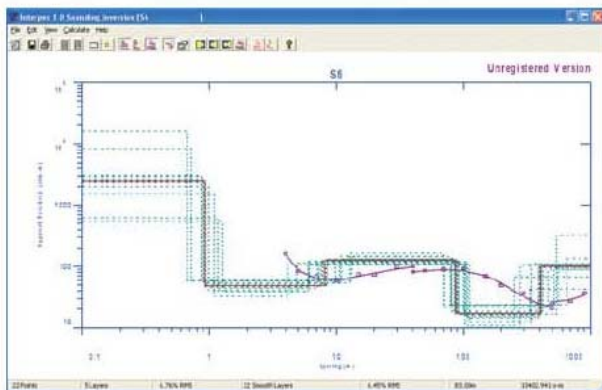


# IX1D v 3

## 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:  Units:

Eastng:  Northing:  Elevation:  Easting:

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

Central Loop TEM Receiver Coil Position:

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	45832.5	<input checked="" type="checkbox"/>	0.10000	31559.3	<input checked="" type="checkbox"/>	0.6
2	0.00895	70390.2	<input type="checkbox"/>	0.12100	24513.2	<input type="checkbox"/>	1.0
3	0.01208	55975.1	<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"/>	3.6
8	0.04210	49619.8	<input type="checkbox"/>	0.45200	1595.0	<input type="checkbox"/>	4.5

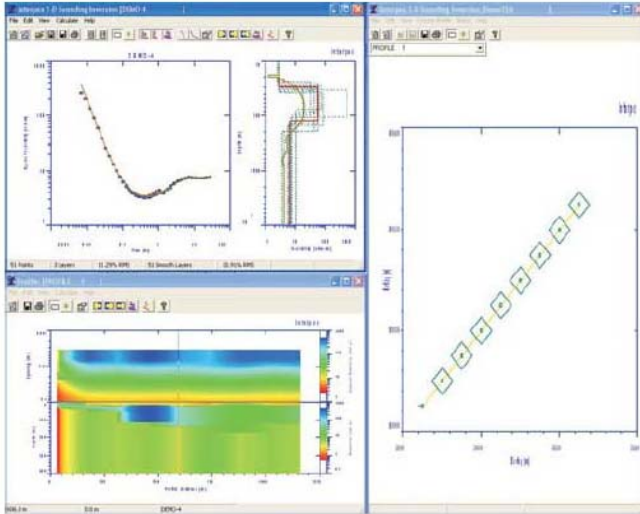
Buttons: Open Timebase, Save Timebase, Save Timebase As, Insert Cell, Delete Cell, Insert Row, Delete Row, Column Math: Add To, Multiply By, OK, Cancel



# IX1D v 3

## 1D Sounding Interpretation

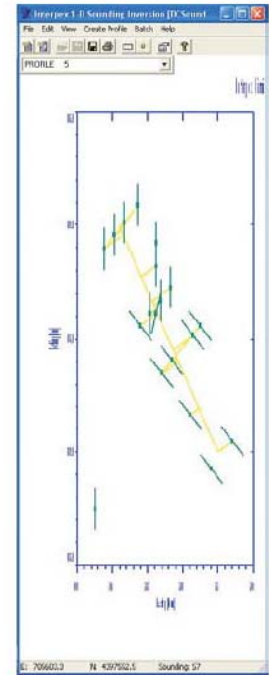
With Profile & optional TEM Support



### 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

