

A Moving Loop Setup

System Name System Type

Transmitter
Coord.System:

1. System Mode
 Fixed Natural (MT)
 Moving Earth's Field

2. Transmitter Type
 Coil Current Dipole
 Loop Pole

Transmitter Input -->

1. TX-ANTENNA LOOP Number of vertices = 5

#	X	Y	Z
1	5.000e+001	1.000e+002	0.000e+000
2	-5.000e+001	1.000e+002	0.000e+000
3	-5.000e+001	-1.000e+002	0.000e+000
4	5.000e+001	-1.000e+002	0.000e+000
5	5.000e+001	1.000e+002	0.000e+000

SEP-REF-POINT AT TRANSMITTER

#	X	Y	Z
1.	1.000e+000	1.000e+000	1.000e+000
2.	2.500e+001	0.000e+000	1.000e+000
3.	5.000e+001	0.000e+000	1.000e+000
4.	7.500e+001	0.000e+000	1.000e+000
5.	1.250e+002	0.000e+000	1.000e+000
6.	1.500e+002	0.000e+000	1.000e+000
7.	1.750e+002	0.000e+000	1.000e+000
8.	2.000e+002	0.000e+000	1.000e+000
9.	2.250e+002	0.000e+000	1.000e+000
10.	2.500e+002	0.000e+000	1.000e+000

Separation(s) (moving system) input -->

Tx/Rx Replacement Mode
 Add Replace

3. Receiver Type
 Coil Voltage Dipole
 Loop Pole

Receiver Input -->

Receiver
Coord.System:

1. RX-DIPOLE Hz

Component

Tx	Rx	Sep
1	1	1
1	1	2
1	1	3
1	1	4
1	1	5
1	1	6
1	1	7
1	1	8
1	1	9
1	1	10

Retreive/Restore Data-->

Simulation configuration: 100x200m loop, 10 separations, vertical coil

Profiles | Waveform | Tx-Rx | Output

#	Name	Stations #
1	LINE0	11
2	LINE1	11
3	LINE2	11

Enable Profile Reordering

Survey #
 Total number of Profiles
 Total number of stations
 Profile#
 Profile Name
 Station#

S...	P...	X	Y	Z
1	1	-1000	0	2
2	1	-800	0	2
3	1	-600	0	2
4	1	-400	0	2
5	1	-200	0	2
6	1	0	0	2
7	1	200	0	2
8	1	400	0	2
9	1	600	0	2
10	1	800	0	2
11	1	1000	0	2

Modify Profile

Delete Every

Shift Z

All Profiles Current Profile

Join Profiles

Split Current Profile after Selected station

Change Name

Generate Stations with Constant Step

First Station

X
 Y
 Z

Last Station

X
 Y
 Z

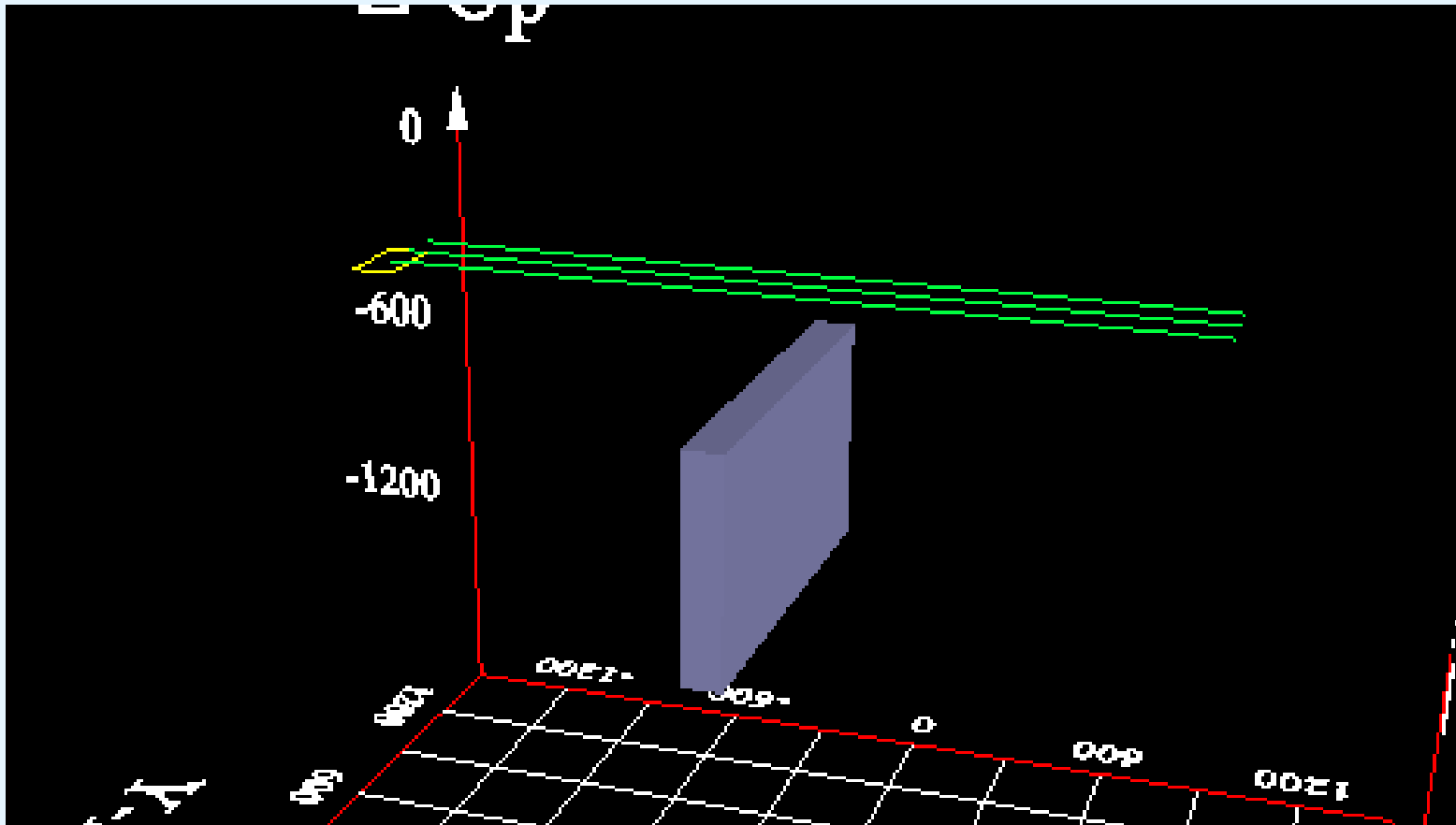
Station Increment Num. of Stations

Add Single Station

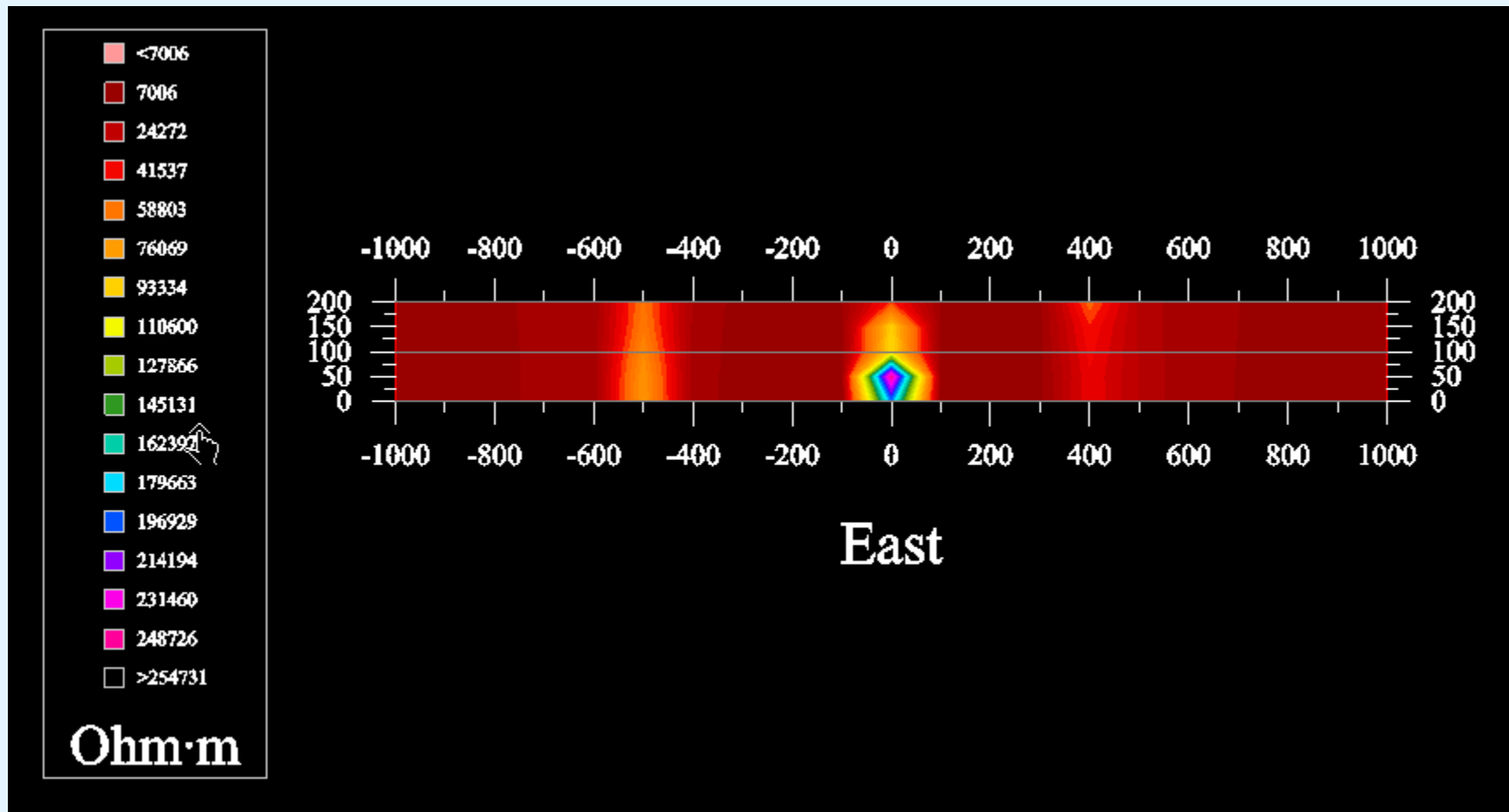
Replace Insert

X
 Y
 Z

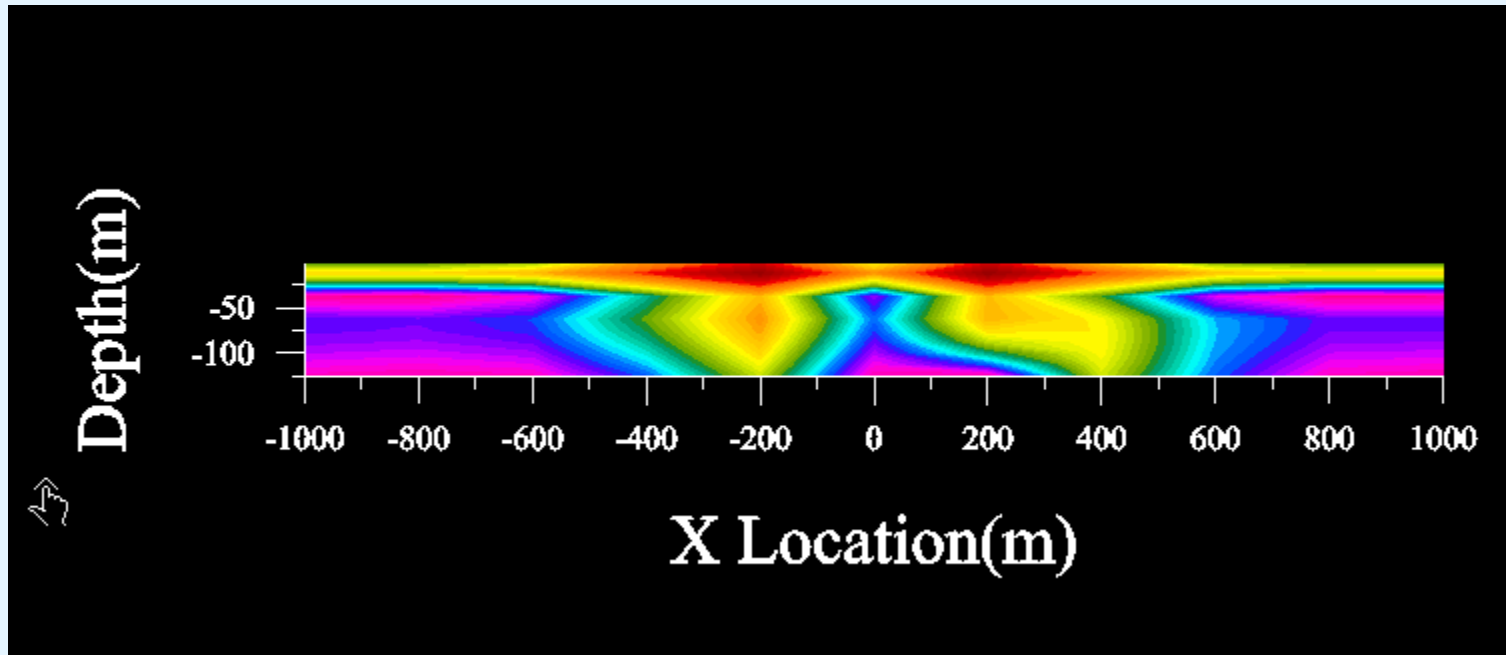
11 Loop positions, stepping 200m



3D model



Apparent Resistivity display over survey at a specific time window



Apparent Resistivity pseudo-section display for a time window