

Surface Protem Survey and Model

Anomaly Properties

Center/Top

North

Up

East

Center Top

Dimensions

Dip Extent

Thickness

Strike Length

Material Properties

Conductance

Susceptibility

Permittivity

Resistivity

Geological Angles

Strike

Dip

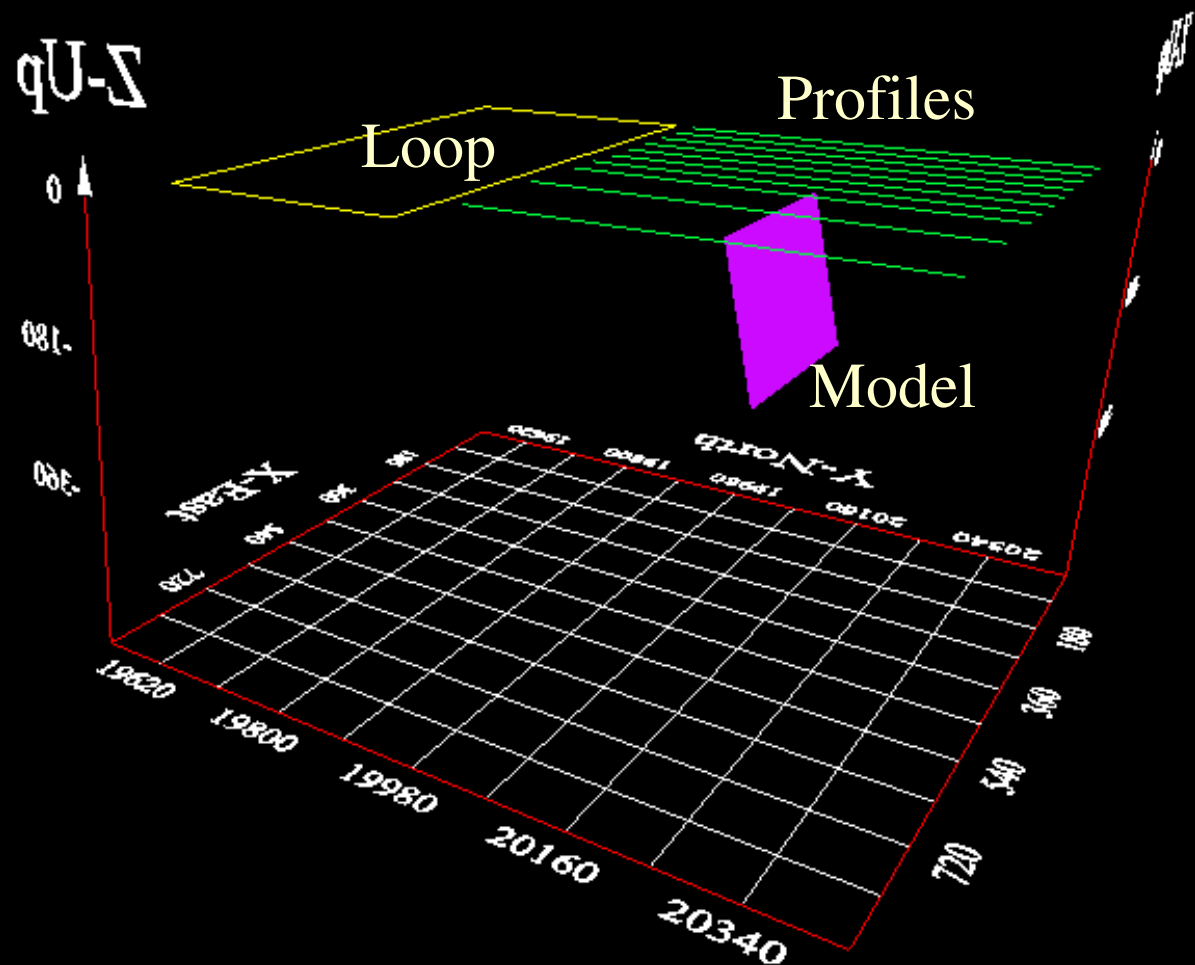
Plunge

Number Of
Sample Pts

Name

Model
Name

All parameters are in SI units

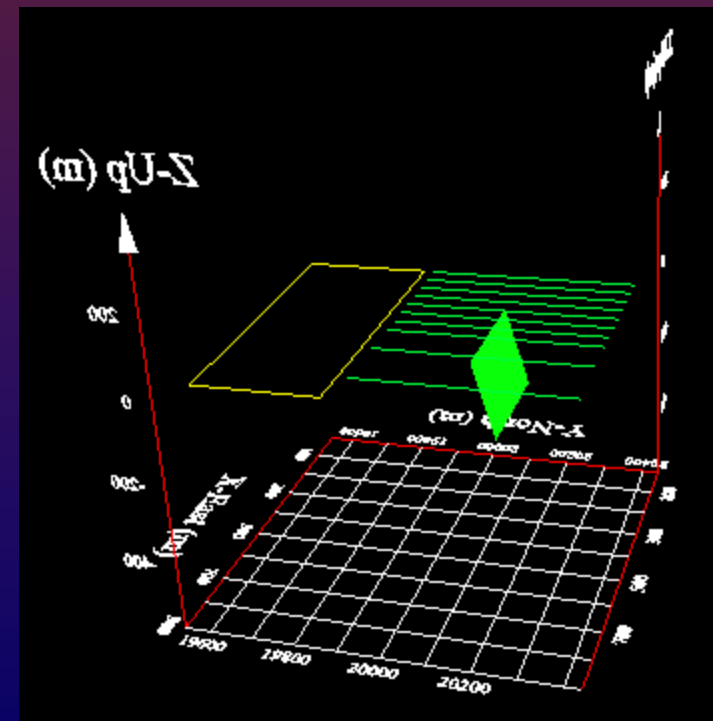




Surface Protem Survey and Model

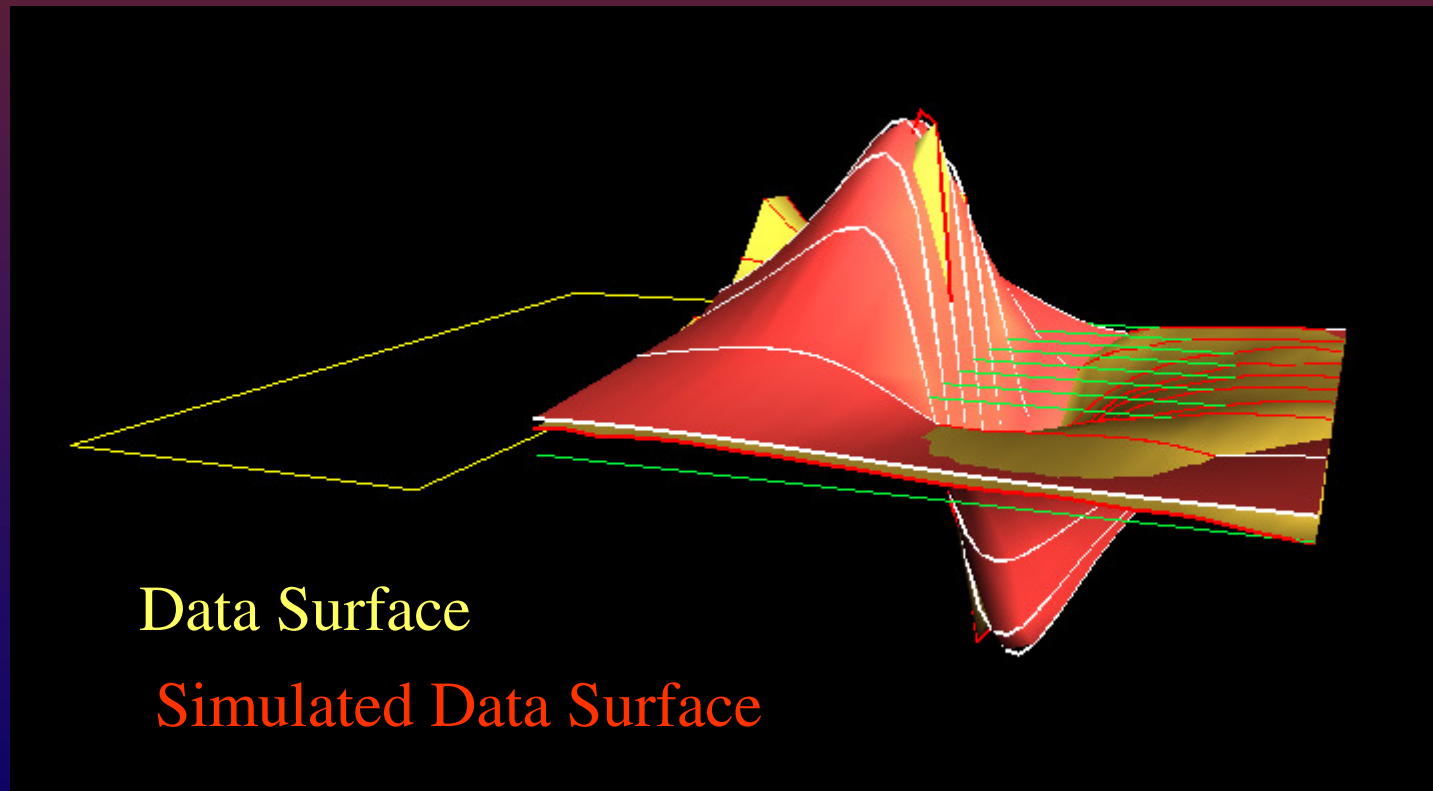
Sulphide Exploration Target

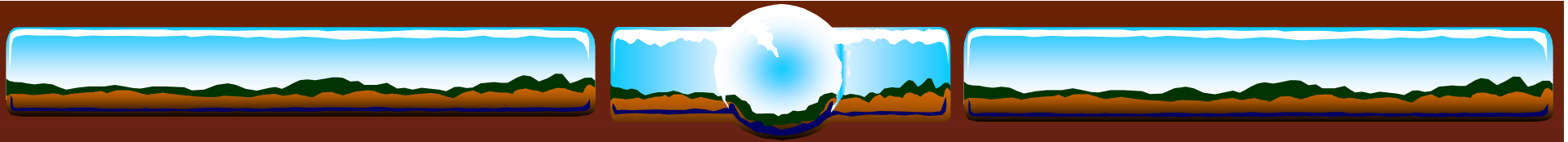
- 10 NS lines
- 700m x 300m Loop
- 30Hz Basefrequency
- .27msec turn-off
- 20 time channels
- 3 components H_x, H_y, H_z
- 300m E-W strike
- 200m depth extent, dipping to North
- 20S conductance





Ch8 Data and Simulated Surface

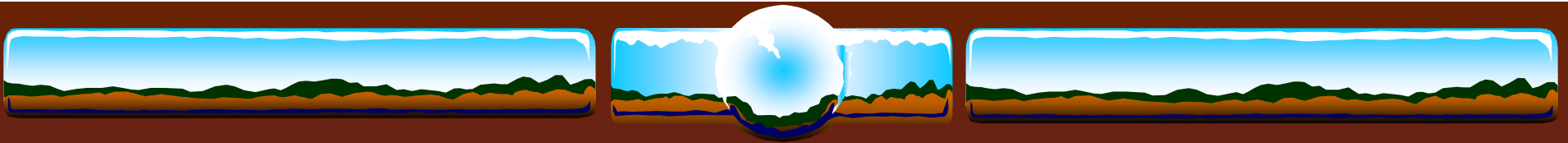




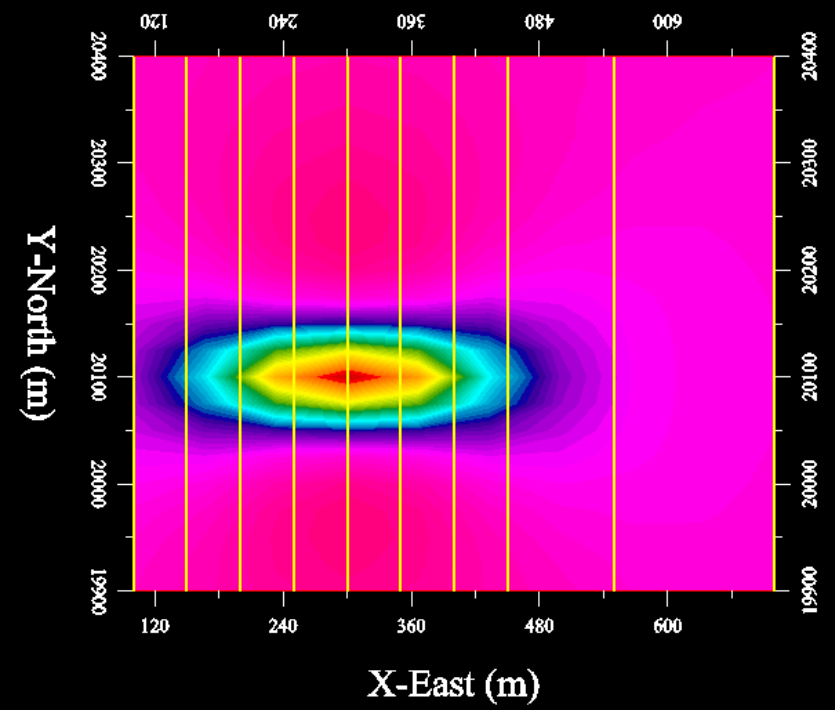
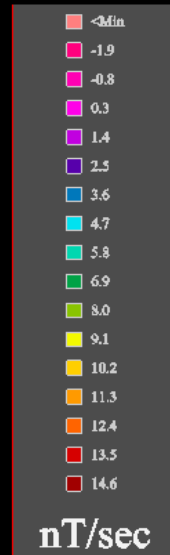
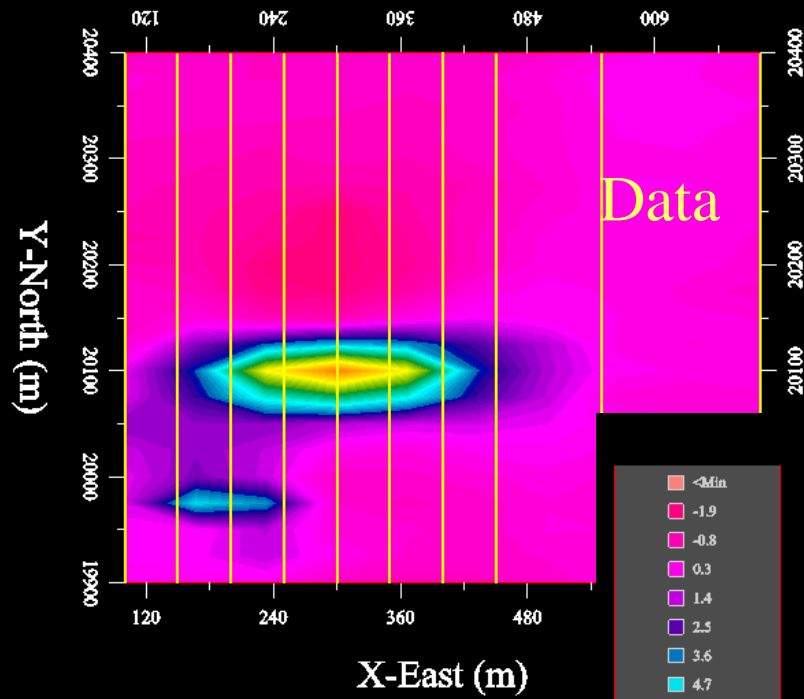
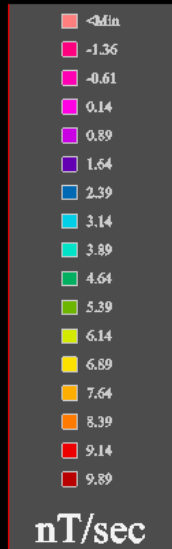
Ch8 Data and Simulated Surface

- Surface comparisons allow viewer to see the overall shape of the response and compare to data

Visualizer allows one to step between time channels and see shape of data surface and simulated surface evolve from Early to Late time



Hx Component Ch12 Data



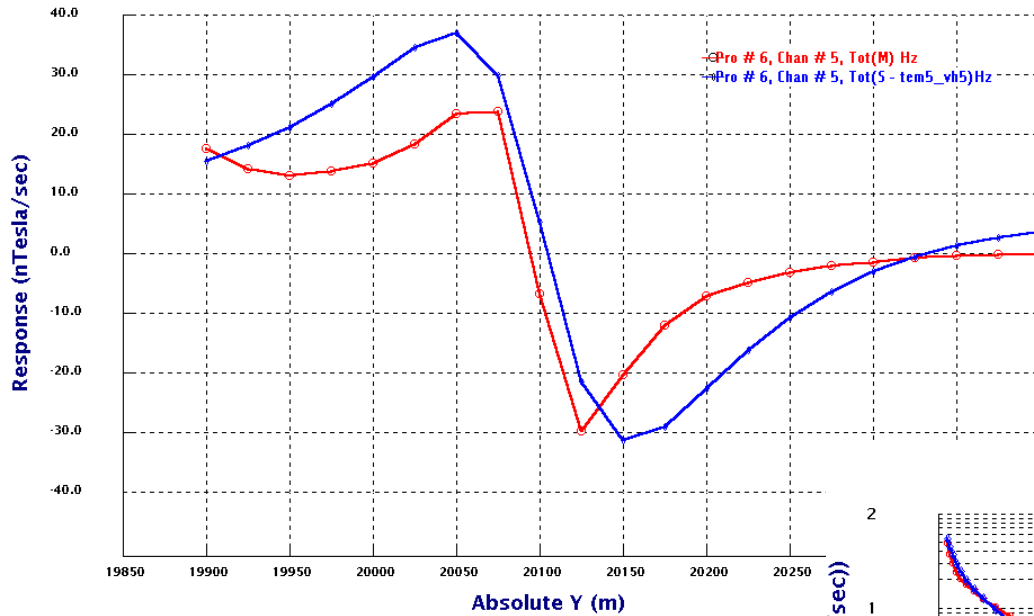


Hx Component Ch12 Data

- Response comparisons of the Hx component
- Hx shows edges more sharply
- Note anomaly to SW corner in data not represented in simulation
- Contour also has semi-animation to see evolution and Decay of targets
- Note how simulated data contours are more open
- Data contours are slightly flatter indicating more precise model fitting is possible
- Data contour shows a connectivity between major and minor targets

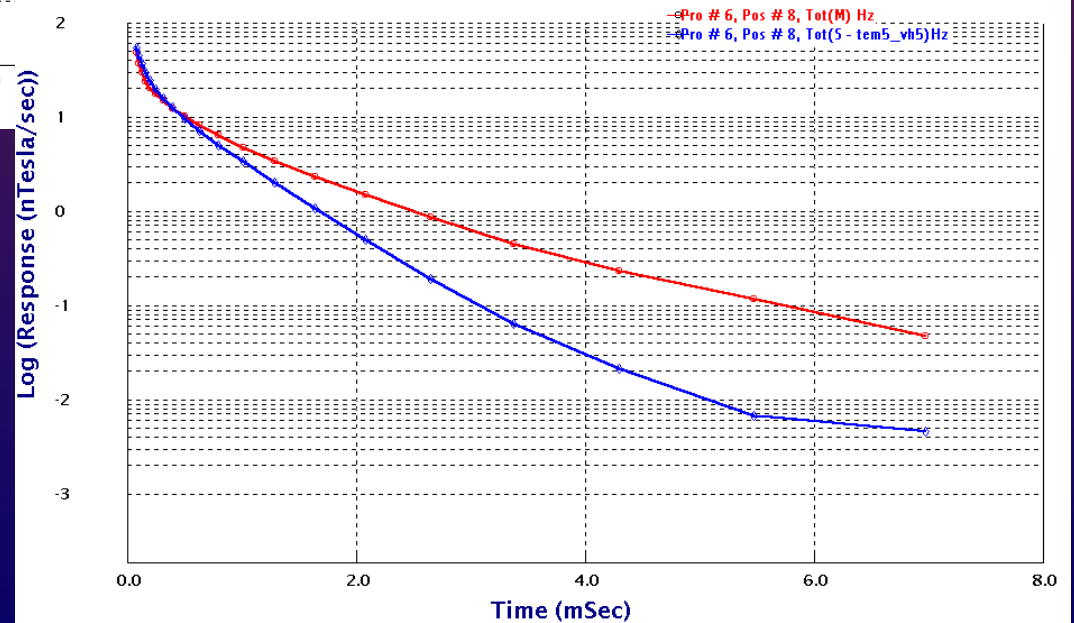
Ch4 Hz Line 6 Data vs Model

Channel 4 Comparison



Profile Fits – Ch4

Decay Comparison



Decay Fits



Ch4 Hz Line 6 Data vs Model

Data can be examined easily by easy stepping buttons
between profiles and time channels

Comparisons to Hz response on Line 6 by position
along profile

But also important to examine data decays