

Surface Protem Survey and Model

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Anomaly Properties

Center/Top	Dimensions
North <input type="text" value="20100"/>	Dip Extent <input type="text" value="200"/>
Up <input type="text" value="-51"/>	Thickness <input type="text" value="0.01"/>
East <input type="text" value="325"/>	Strike Length <input type="text" value="300"/>
<input type="radio"/> Center <input checked="" type="radio"/> Top	

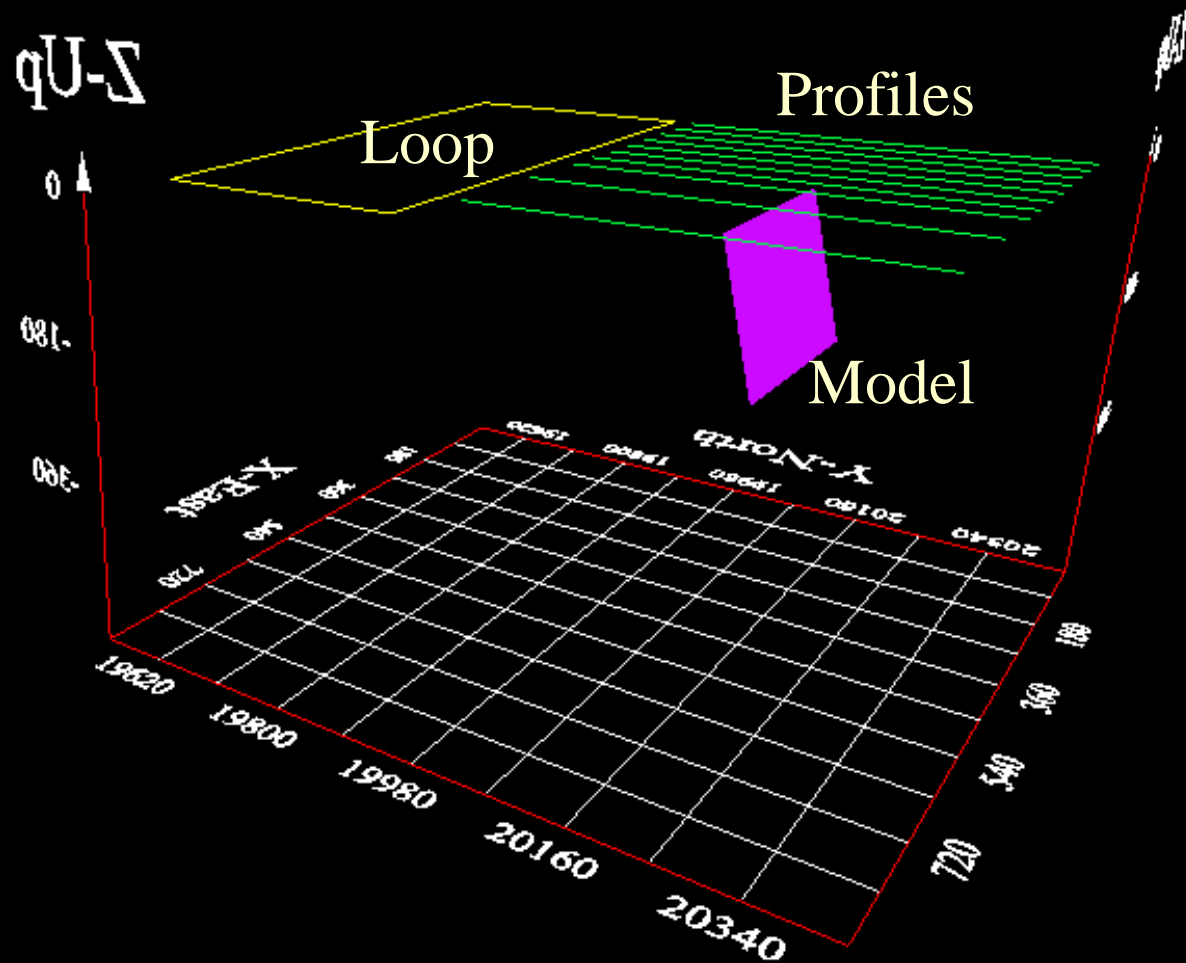
Material Properties	Geological Angles
Conductance <input type="text" value="20"/>	Strike <input type="text" value="90"/>
Susceptibility <input type="text" value="0"/>	Dip <input type="text" value="-75"/>
Permittivity <input type="text" value="1"/>	Plunge <input type="text" value="0"/>
Resistivity <input type="text" value="0.0005"/>	

Number Of Sample Pts

Name

Model Name

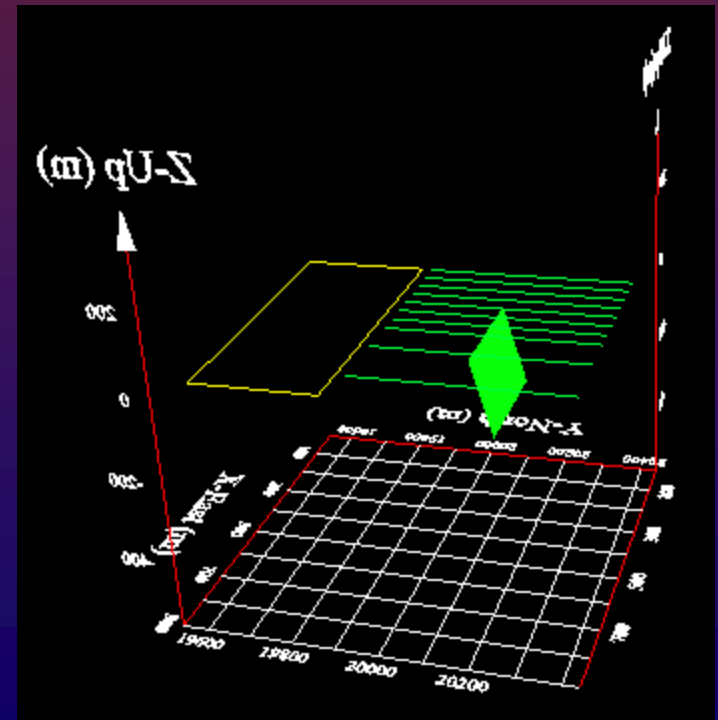
All parameters are in SI units



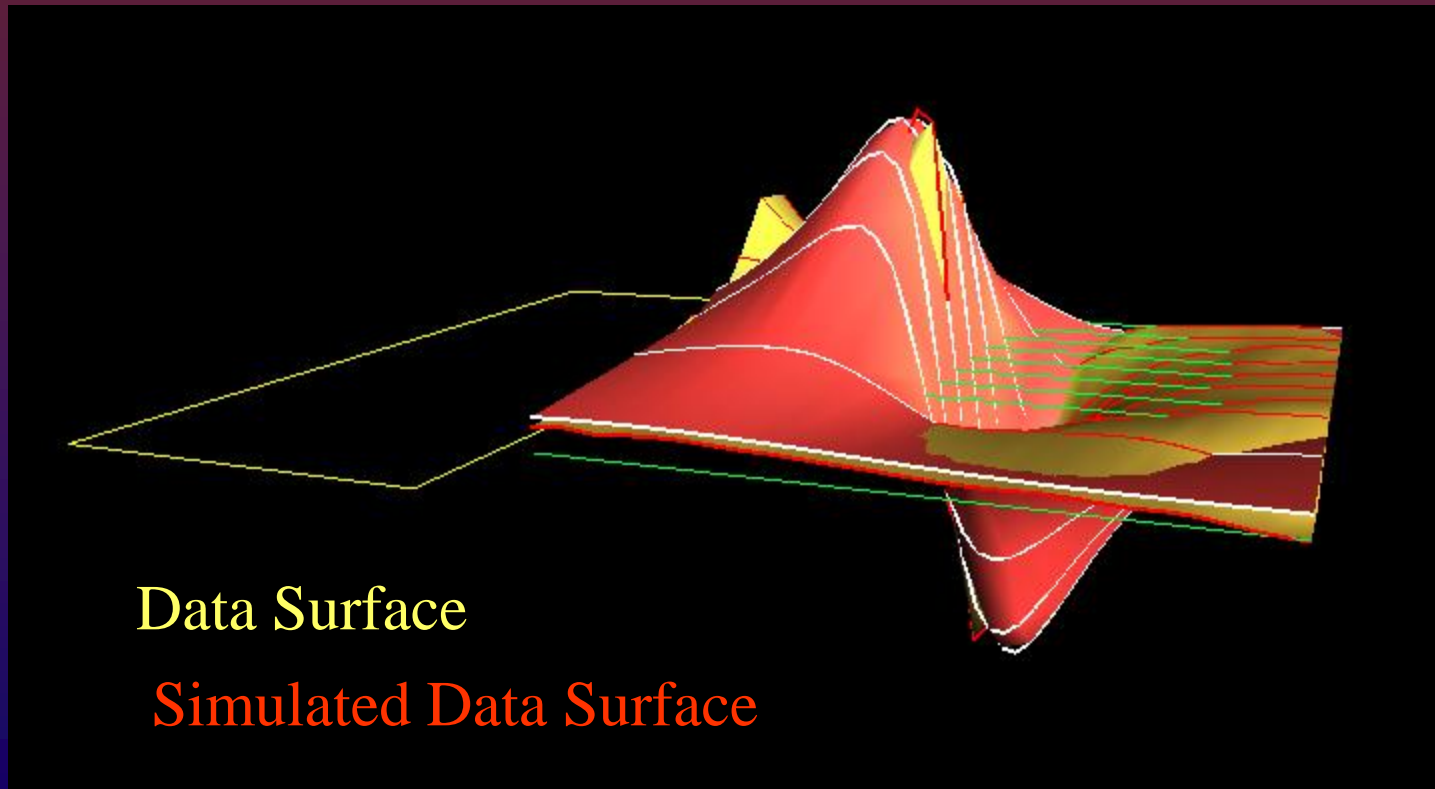
Surface Protem Survey and Model

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

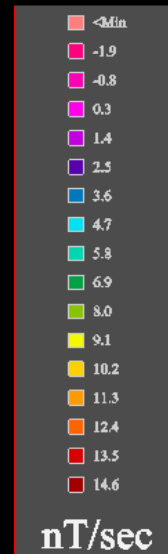
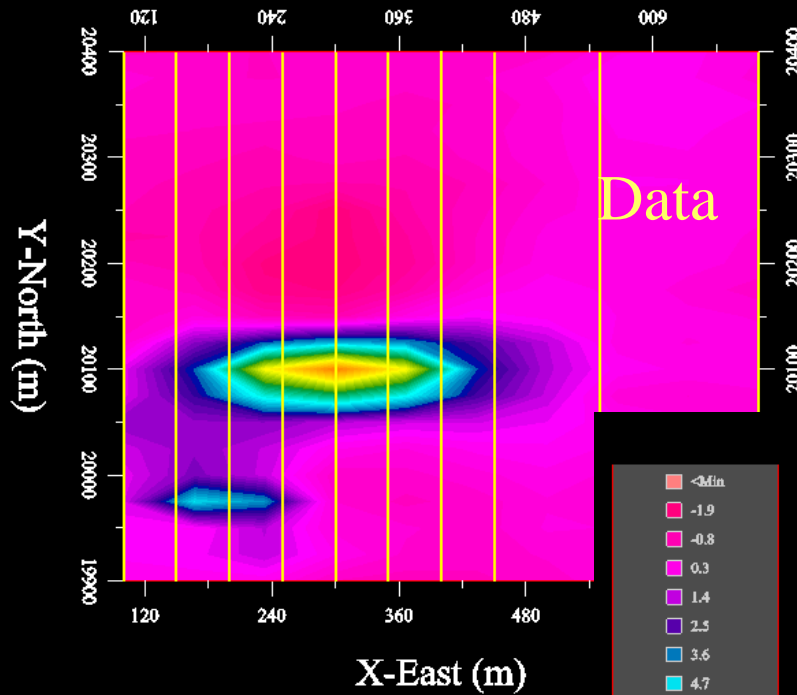
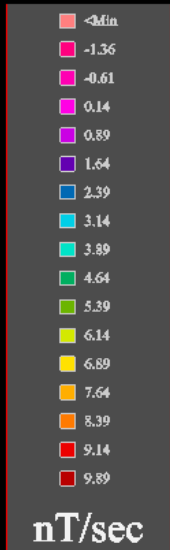


Ch8 Data and Simulated Surface

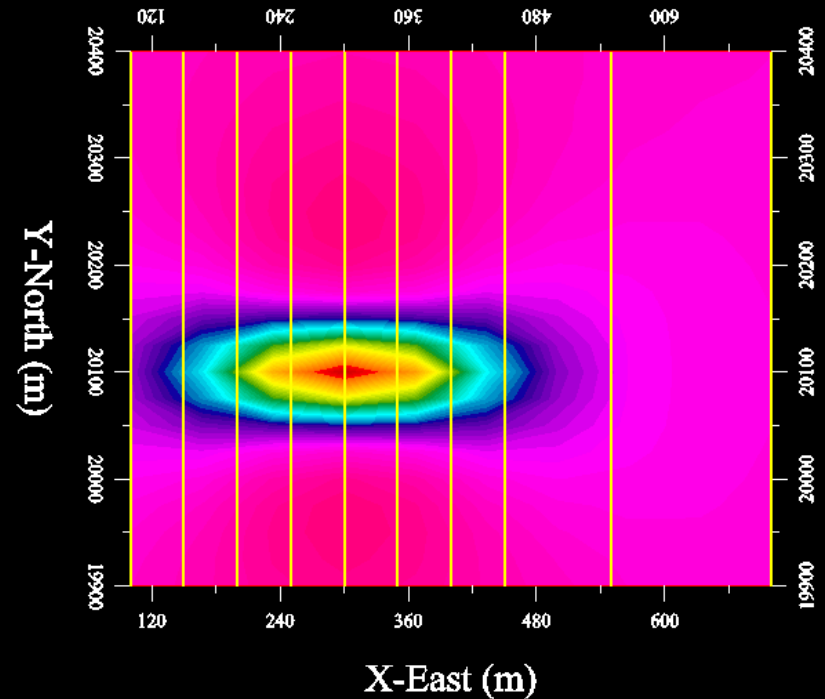
- Surface comparisons allow viewer to see the overall shape of the response and compare to data

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



Simulated
Data

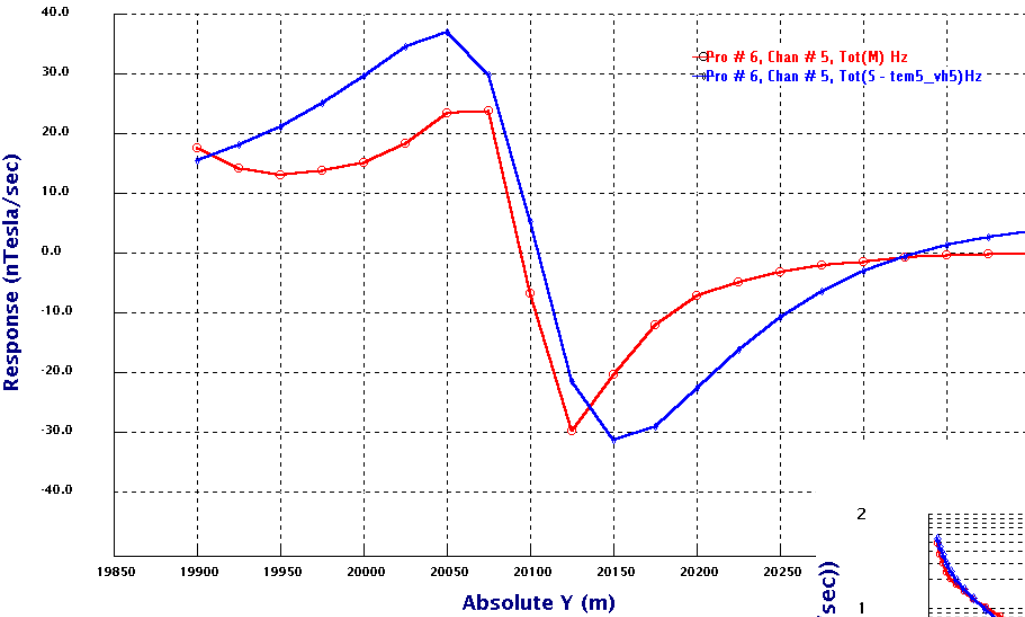


Hx Component Ch12 Data

- 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

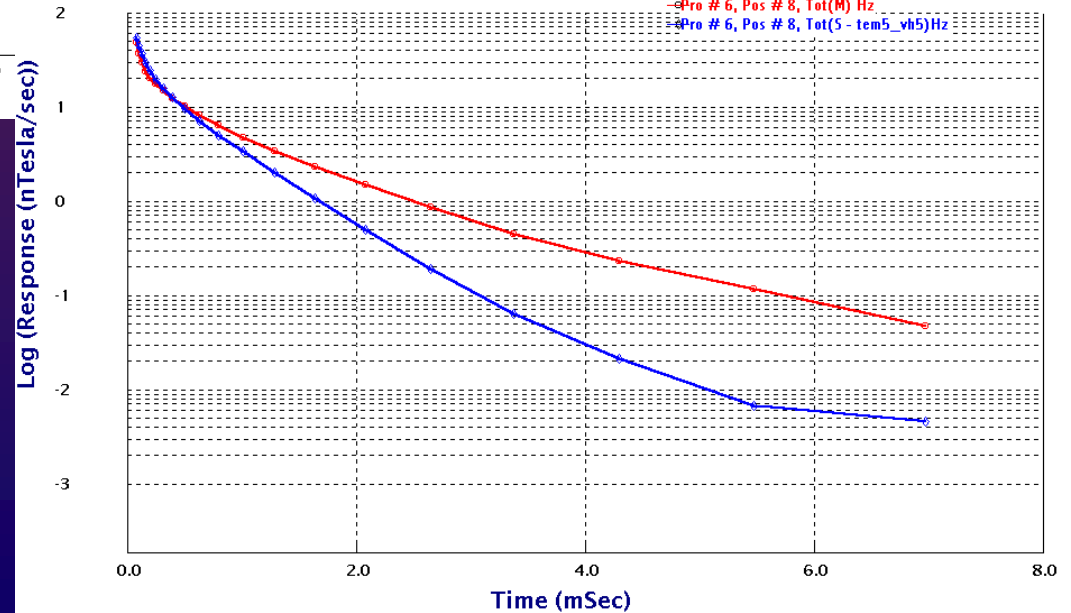
Ch4 Hz Line 6 Data vs Model

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