Powerline Contamination In Time-Domain Electromagnetic Data: Experiment, Theory, and Basic Building Blocks

by

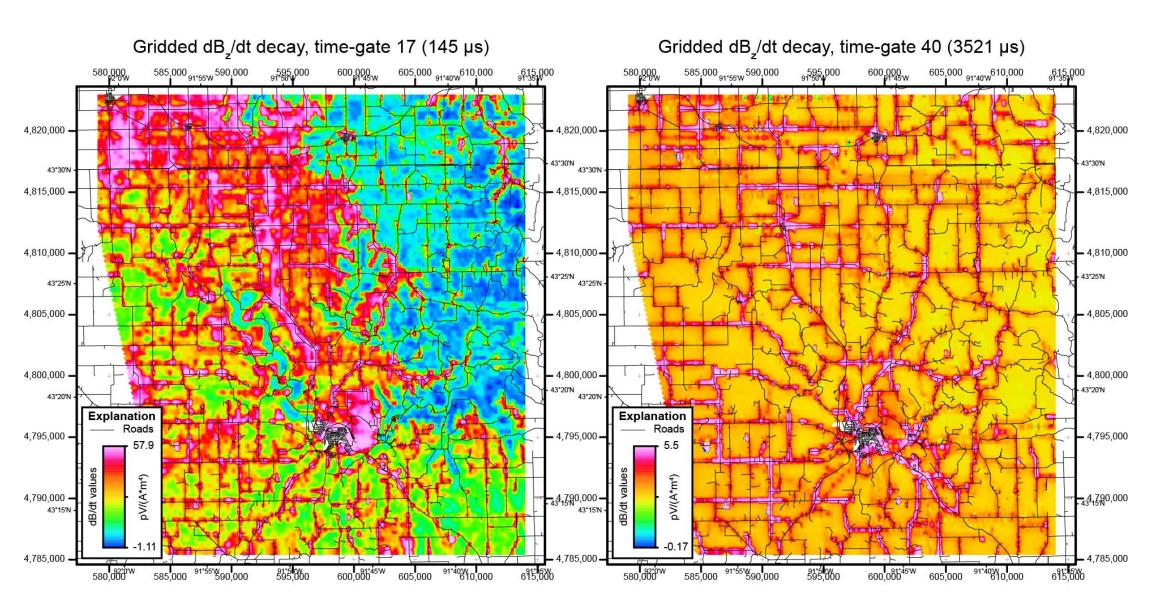
Benjamin R. Bloss

Master of Science Thesis Defense Wednesday, January 18, 2017

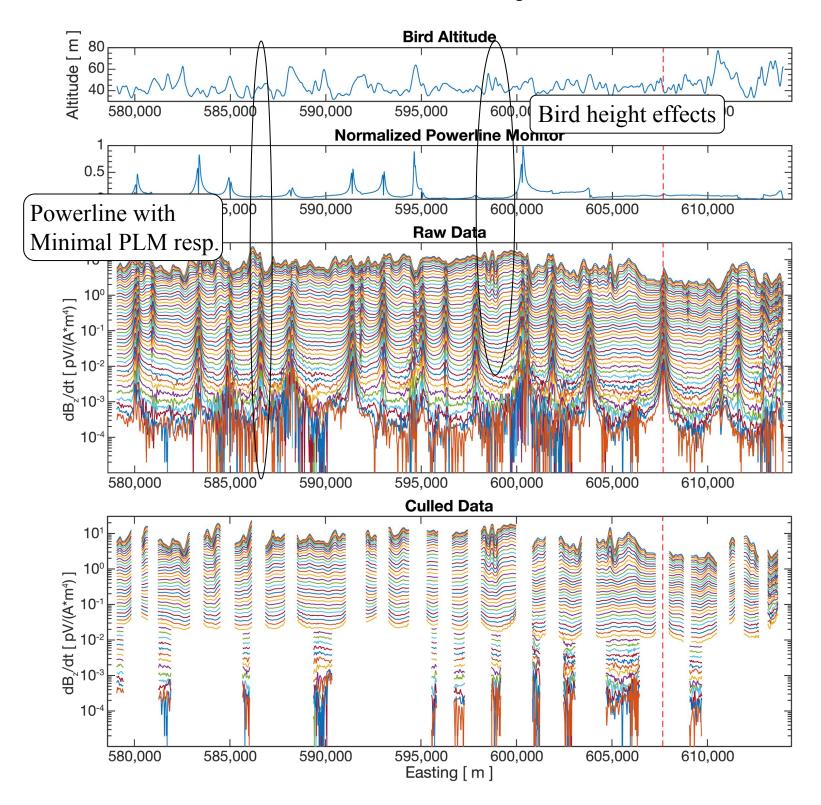


What motivated this powerline study?

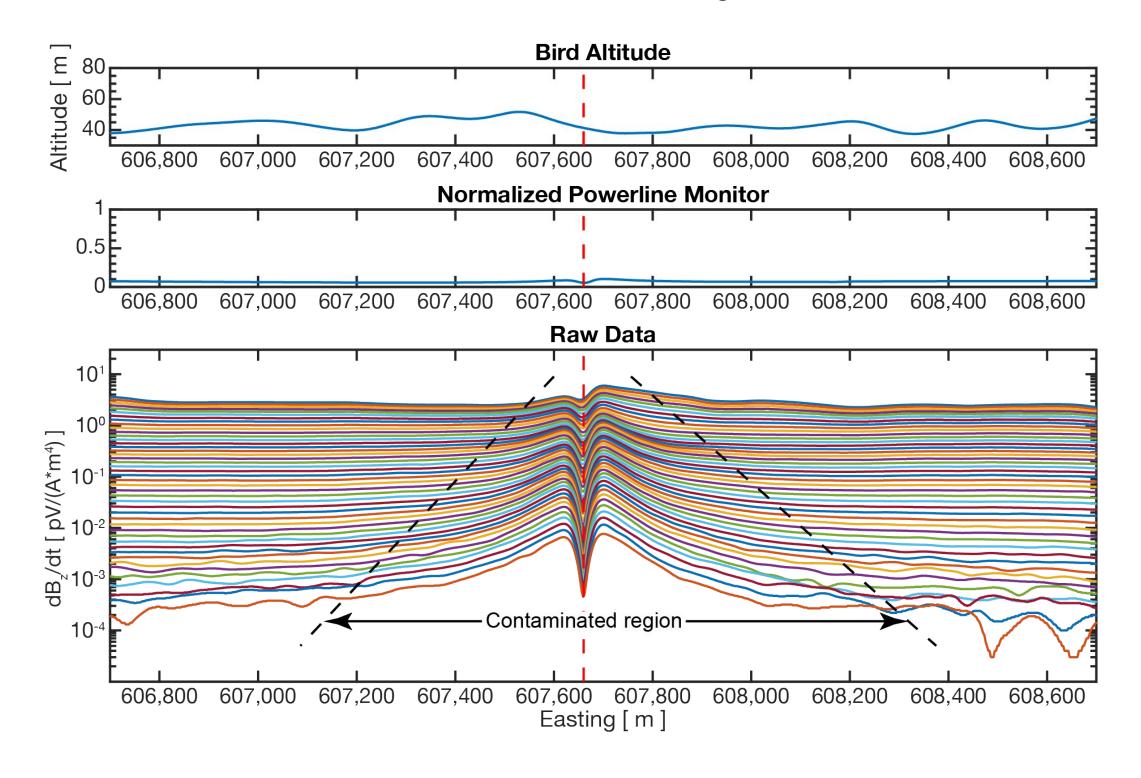
• A USGS survey from North-Eastern Iowa, USA

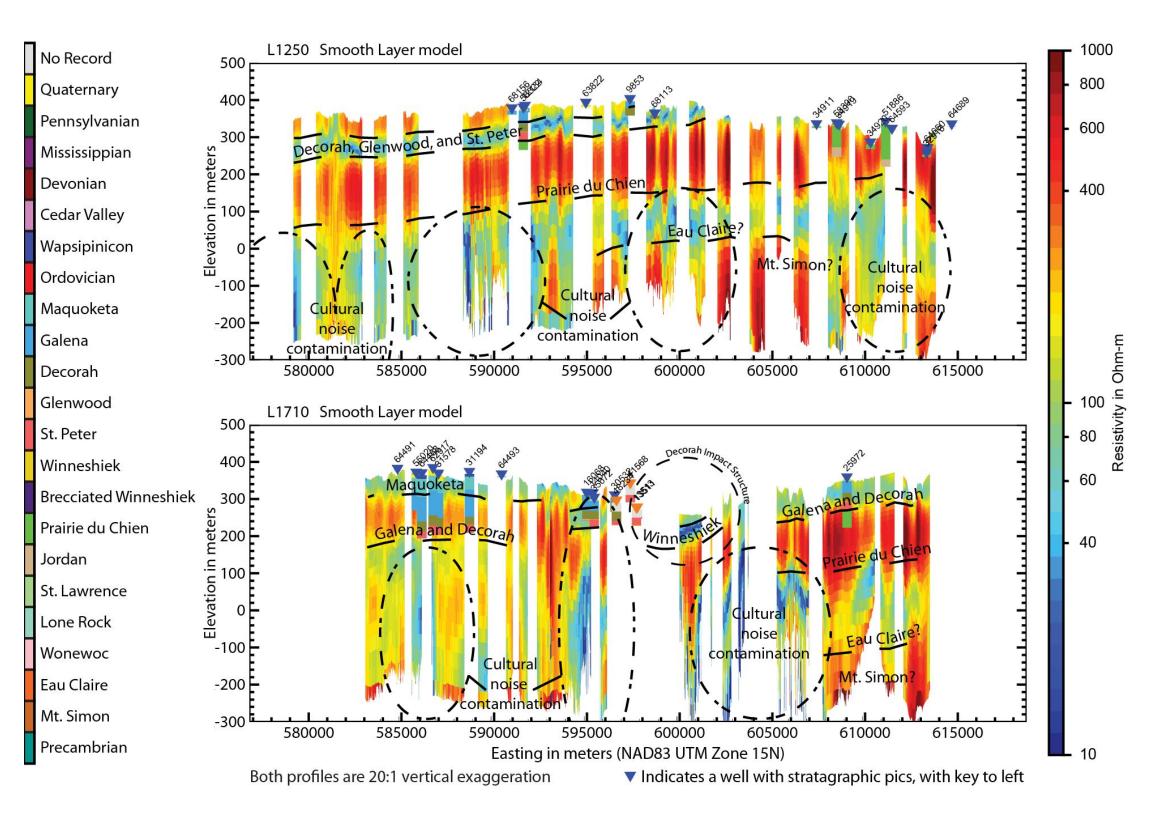


Raw and culled data from flightline L1230

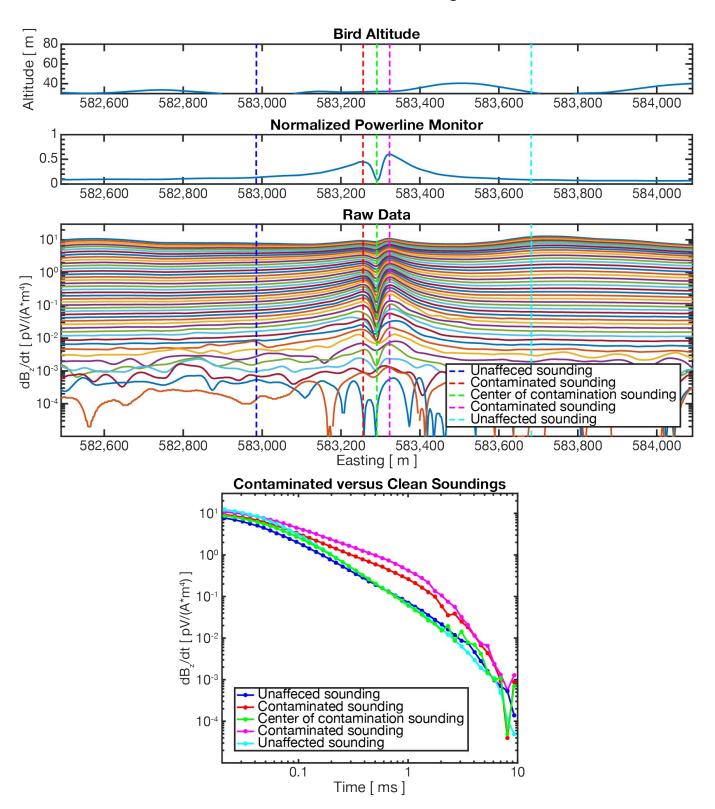


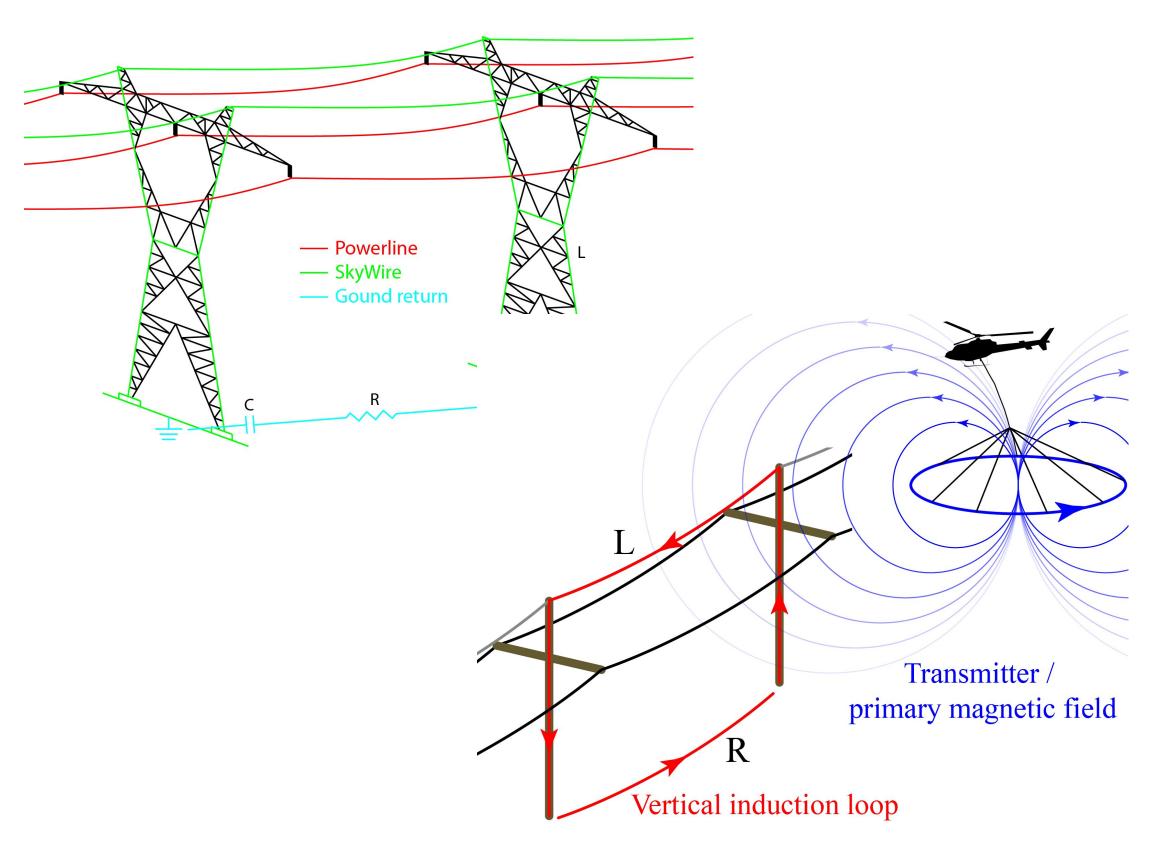
Zoomed in view of data from flightline L1230



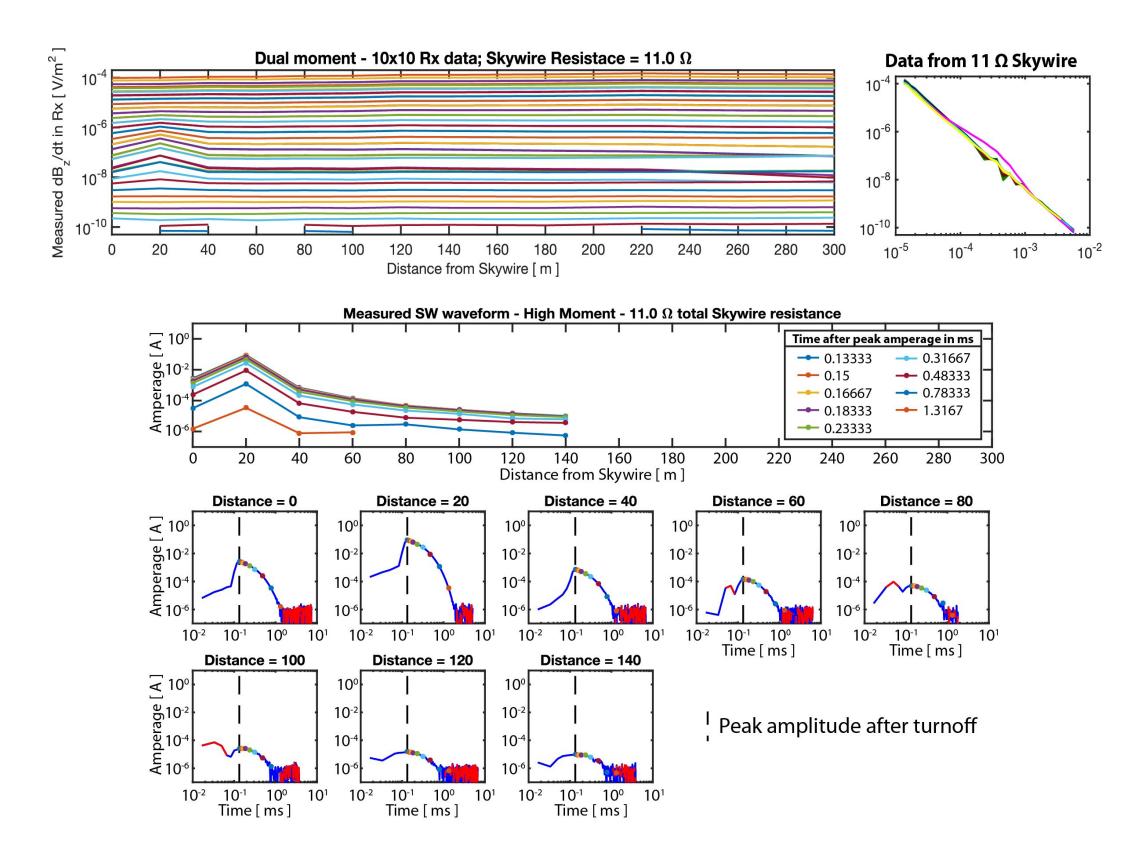


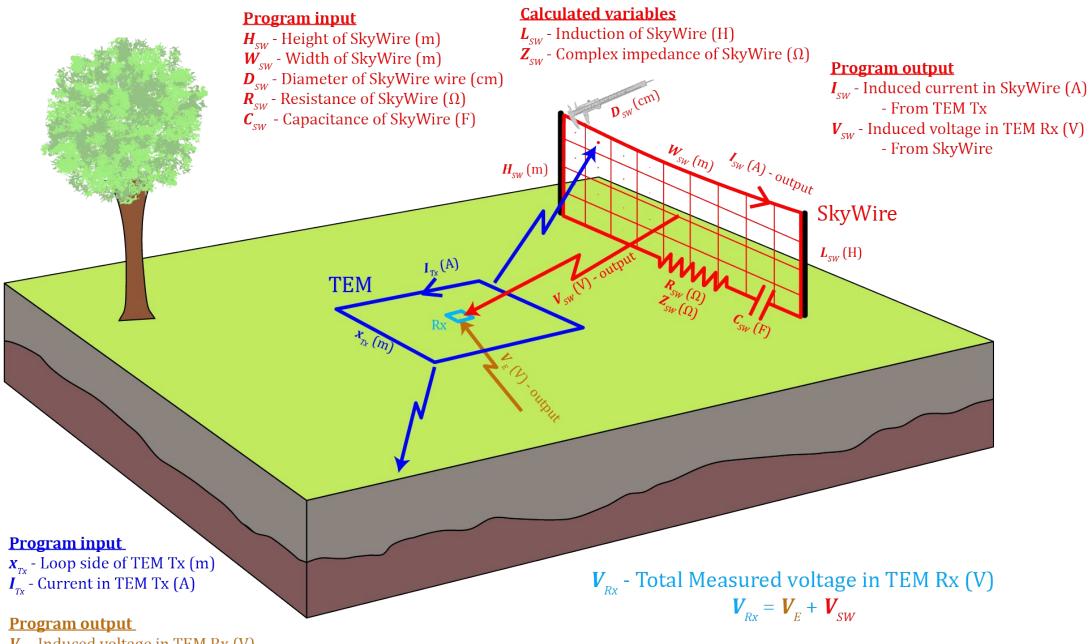
Zoomed in view of data from flightline L1190











V_E - Induced voltage in TEM Rx (V)- From Earth Response

