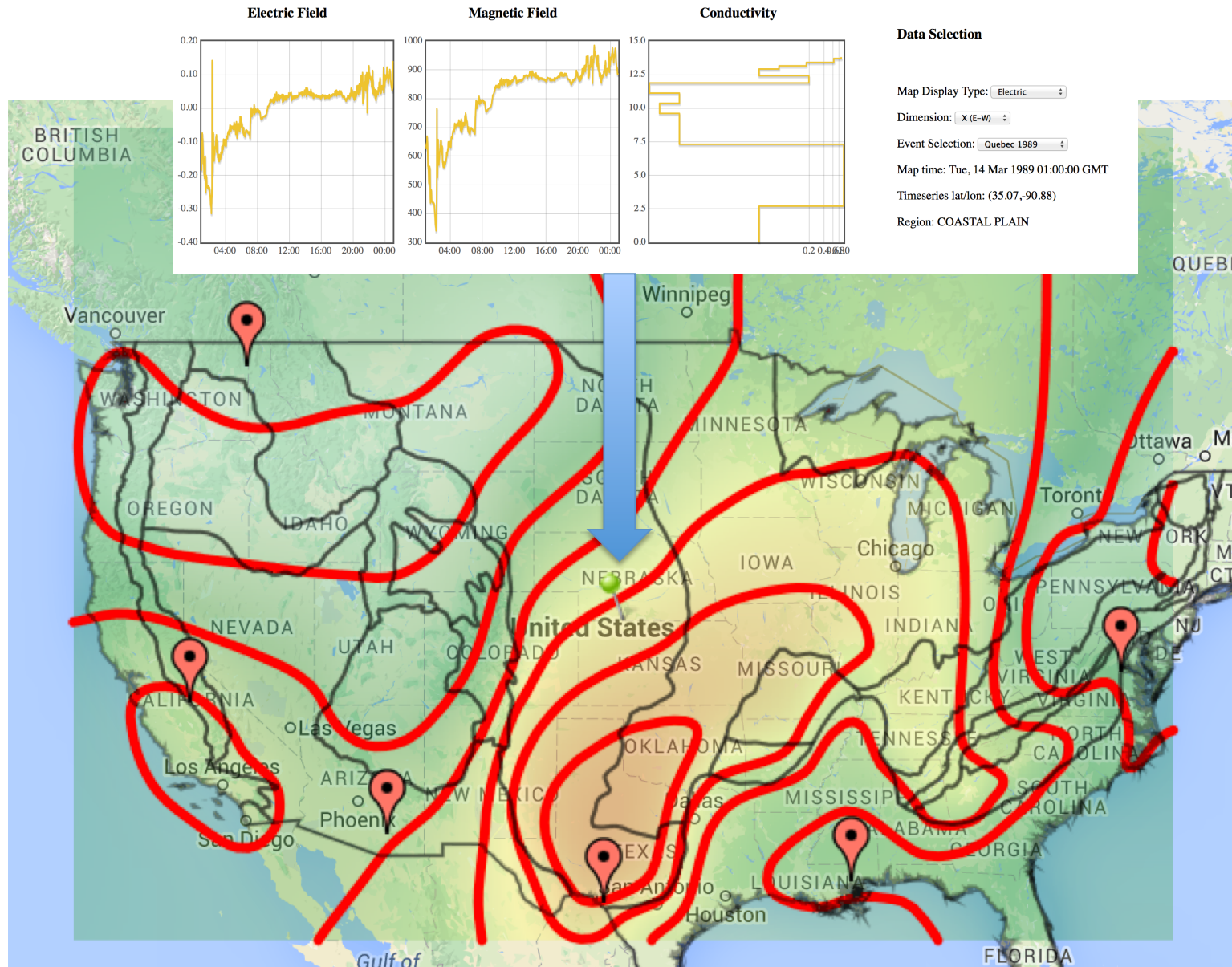
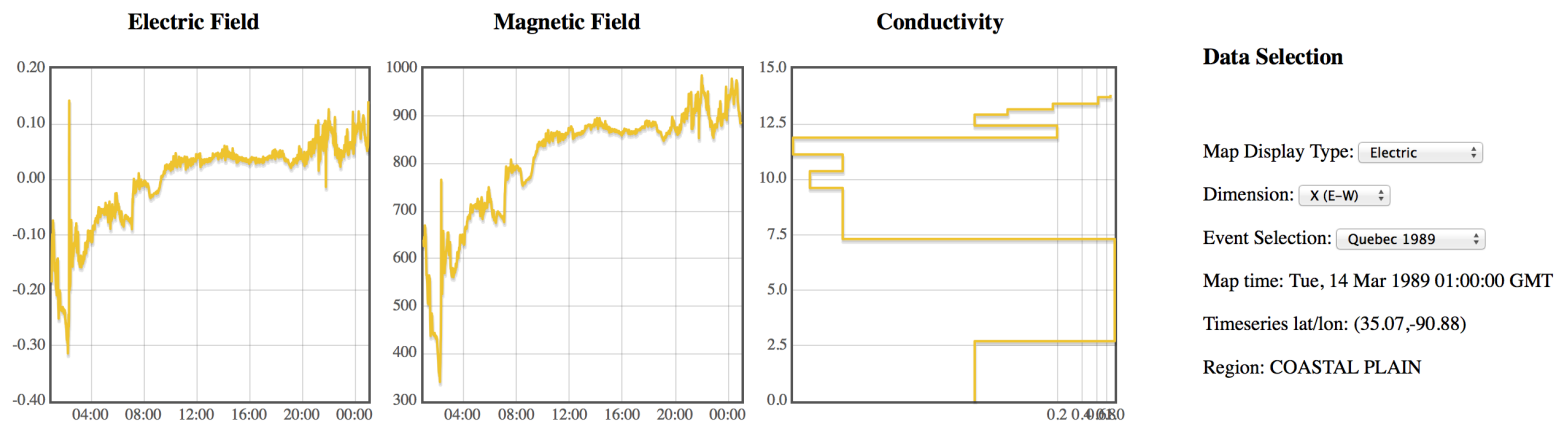


# GIC Hazard Analysis Toolkit



## Maps of electric and magnetic fields during events

- Electric field can vary greatly over analysis regions
- Can modify and include local conductivity models
- Interpolation of B in frequency bands allows for short correlation lengths for localized effects



## Time series (magnetic and electric fields) for transformer heating analyses

- At a location selected from interpolated maps
- Can use NERC reference event or data from historical events
- Initial validation results of Efield estimation method show good match with spot data