

Harris county lightning analysis fault interpretation

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Lightning data collected over western Harris County, Texas and northeastern Pinal County, Arizona provides the primary sources used in this poster presentation. Surface faults, shallow electromagnetic surveys, outcrop geology, and other available public geological and geophysical data are integrated with lightning derived maps and volumes using a standard geophysical interpretation workstation to build the geological frameworks presented. Recognizable and repeatable three-dimensional patterns in the lightning derived maps, cross-sections, and volumes are the basis of the presented interpretations.