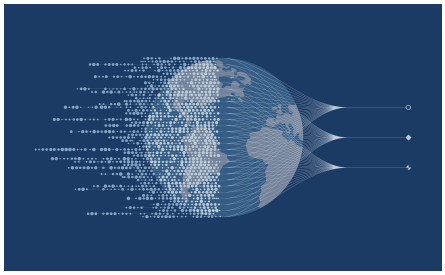

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Historic Stations and Comparing Measurements for Enhanced Characterization

The historic nuclear test sites of the world provide a key resource in legacy seismic measurements. Many of the seismic recording stations in place for historic tests have been abandoned as new locations have been established. We deployed sensors equivalent to those installed in the 1980s with modern equivalents at historic seismic station locations to compare measurement and site characteristics. In the process of trying to locate and reoccupy these historic sites we have undertaken a difficult task due to the lack of documentation. We continue to identify sources for the emplacement conditions, but modeling suggests that reoccupations within 100 meters should be adequate for most comparisons. We present some of the initial comparisons of data and lessons learned from redeploying these stations.

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