

# EarthScope Transportable Array in Alaska: Overview and Future Plans

R. Busby *IRIS*, R. Woodward *IRIS*, K. Aderhold *IRIS*, M. Enders *IRIS*

The Alaska Transportable Array deployment was completely installed as of September 2017, totaling 280 stations, with 194 new stations and 86 existing stations, 28 of those upgraded with new sensor emplacement. We briefly summarize the deployment of this seismic network, describe the added meteorological instruments and soil temperature profilers, and review the overwinter performance, current operation, and plans for demobilization set to begin in 2019. The Alaska Transportable Array is entering a period of routine data collection, though certain data collection functions as well as field activities are seasonally dependent. Performance of the stations are generally high quality, with very low noise and high data return despite the challenging environment. As with previous TA deployments in Cascadia and the Central and Eastern US (CEUSN), efforts are ongoing to extend observations in Alaska through station adoption or cooperation with other agencies. Some of these agencies represent interests outside of seismological research yet take advantage of the micro-research station features of an operational Alaska TA station: primarily the enclosure, power, and data communications.

