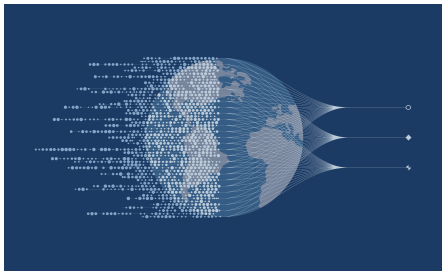

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high/low noise models for geophone integration into OSI

The rapid deployment of geophones makes them well suited for time limited collects or for events of interest. If the data is going to be analyzed during the deployment time frame, the analyst can ensure high quality data is achieved. In order to better assess the quality of data, we have generated high/low noise models for a variety of deployment types. Having these models as a base line can help understand the detection capability and the quality of each station. If a station is under performing, a relocation may be necessary to provide the desired coverage for an inspection scenario. Site effects can be problematic to identify, but by using the high/low comparisons and potentially relocating a station, analysts are able to validate to what extent the site placement affects the signals. This work was done by Mission Support and Test Services, LLC, under Contract No. DE-NA0003624 with the U.S. Department of Energy and the National Nuclear Security Administration's Office of Defense Nuclear Nonproliferation. DOE/NV/03624–2098.

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