

## **Calibration of Infrasound Sensors in a Long-Term Field Study**

A long-term field study is being performed at Sandia National Laboratories (SNL) Facility for Acceptance, Calibration, and Testing (FACT) to compare the performance of five infrasound sensors in active use. The goal of this study, which was initiated at the beginning of 2018 and is continuing into 2019, is to evaluate the relative performance of the sensors in a field environment in which the sensors are subject to dynamic environmental conditions and to evaluate changes in the sensor's absolute performance under controlled laboratory conditions. The results of the laboratory calibrations, performed at 3-month intervals, are presented here. We examine the laboratory measurements of self-noise, sensitivity, and amplitude and phase response to determine to what extent the sensor performance has changed over the course of the field study.

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