Why We Study Infrasound

The Department of Geological Sciences at Southern Methodist University is conducting local and regional seismic and acoustic experiments in the west Texas region. Using infrasonic sensors, acoustic and seismic data, infrasonic arrays, and meteorological data, we will be able to study infrasonic waves more effectively and accurately.

What is an Array?

An array is a combination of instruments working in harmony to record atmospheric and solid earth waves. Arrays are unique in that their sensor positions can vary depending on what is being measured. An array can be compact and designed to be shipped easily. These arrays are made with the mission in mind, designed to be in place and ready to operate. The microphones make up an array in the West Texas region. The microphones are placed in positions that are more sensitive to infrasonic waves. The infrasonic waves create a pattern of waves that can be recorded and analyzed. This pattern of waves can be used to determine the location of an infrasonic source.

Instrumentation

A total of 350 pieces of equipment were shipped from Dallas to West Texas for this array. It was transported by pickup truck to a remote location near the town of West Texas. The equipment included infrasonic sensors, microphone, and a solar panel. The equipment was placed in a small shelter that was built to house the equipment. The shelter was made of wood and was designed to be portable. The equipment was placed in the shelter and the shelter was placed in the ground. The shelter was made to be compact and easy to transport.

Installation

The installation of the array can be done in two ways. The first option is to use a truck to transport the equipment to the site. The second option is to use a drone to transport the equipment to the site. The drone can be used to transport the equipment to the site and can be used to transport the equipment to the site.

Installation

There is no need to build a shelter in the West Texas region. The shelter is made of wood and is designed to be compact and easy to transport. The shelter is made to be portable and can be used to transport the equipment to the site. The equipment is placed in the shelter and the shelter is placed in the ground.