

**Acoustic Flow Monitoring Stations (AFM)
USGS, Cascades Volcano Observatory (CVO)**

Acoustic Flow Monitoring stations (AFM) measure ground vibration caused by passing lahars or debris flows in active streams and rivers. Data collected by an AFM are recorded every second and sent to CVO in real time for monitoring purposes. At some stations, a tipping bucket rain gauge rain bucket is mounted to the top or side of the enclosure and constantly measures the amount of liquid precipitation over a set period of time at each station.

Currently, CVO operates 7 AFM stations within the Mt. St. Helens National Volcanic Monument.

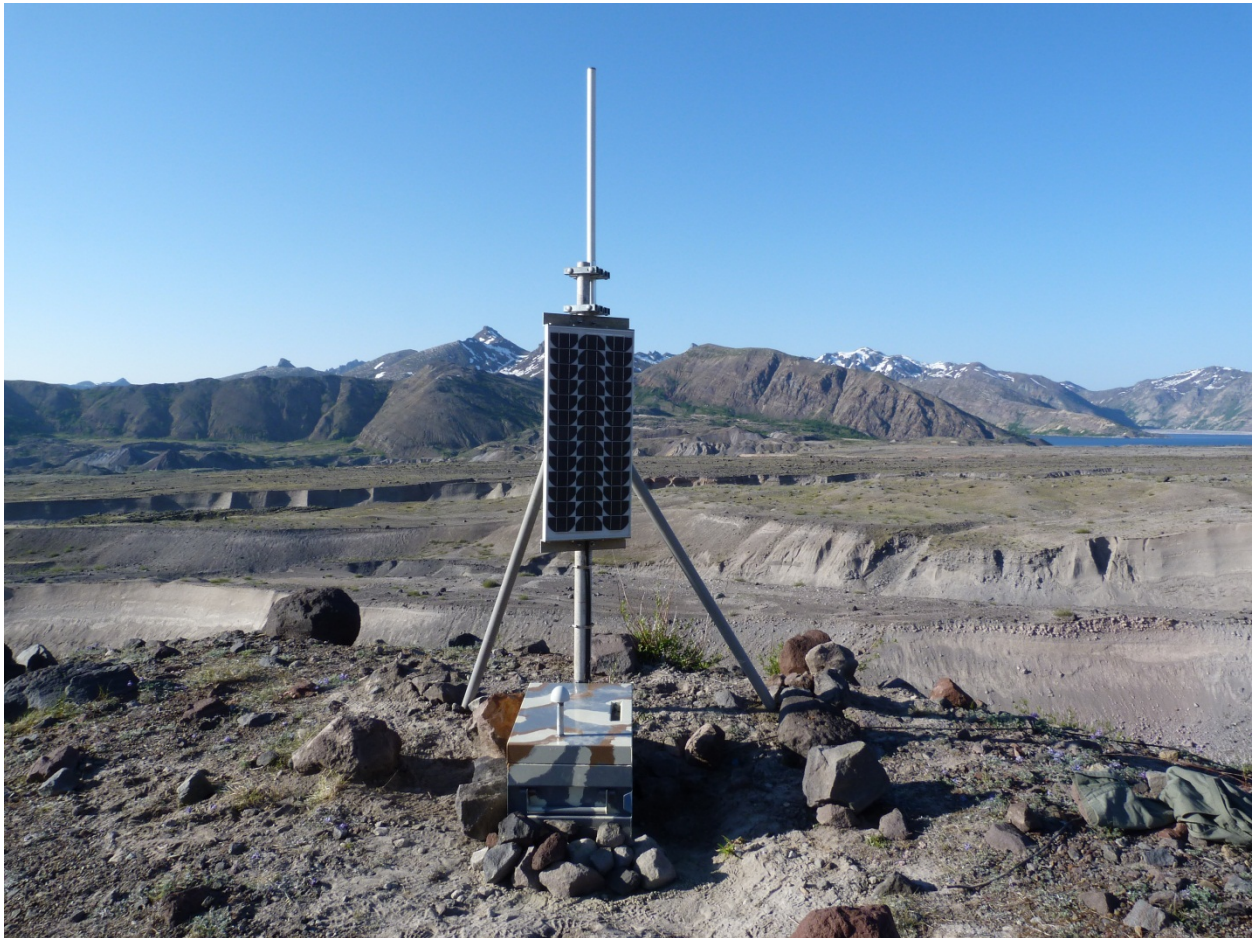


Photo of a typical AFM station operated by CVO on Mt. St. Helens.