

Seismic land stations



Autonomous seismic station on sea ice

To record seismic waves of earthquakes, icequakes or artificial seismic sources in polar regions, AWI owns a set of specially equipped seismic stations that are autonomous for several weeks and cold-proof. The stations consist of compact broadband seismometers or short-period geophone chains, a datalogger with low power consumption and a GPS antenna. Apart from solar panels special batteries supply power. These batteries are non-spillable and non-dangerous such that they can be transported along with the other equipment in a helicopter. For [deployments on drifting sea ice](#) > our seismic stations can be tracked with Argos transponders such that we know their position anytime and easily find the stations again.

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Searching for a seismic station



Installation of a seismic station



Inside a seismic station





