Post-glacial temperatures at high latitudes from noble gas and luminescence techniques

UC Berkeley and Berkeley Geochronology Center

Recent studies show that common minerals can retain information about their geologic storage temperature, even when that temperature is relatively cold. Unlike most geothermometers which become 'closed' systems as minerals travel up through the crust, certain noble gas and luminescence signals remain 'open' at atmospheric temperatures. I am measuring these signals in high-latitude boulders that were recently exposed.

Visitor: Nathan Brown

Visit dates: February 10-11, 2020

I will be visiting the lab to collect archived samples for additional measurements and to give a talk about paleothermometry.