



Figure 1: **(A)** A Wenner electrode array along a section of an ice core is configured to measure the vertical conductivity of sea ice. **(B)** A current I is injected through the outer electrodes C1 and C2. The potential difference ΔV resulting from the current flow is measured at the inner electrodes P1 and P2. The ratio $\Delta V/I$ is the resistance R in ohms. Here the electrode spacing is $L = 10$ cm and $a = 10$ cm.