

Priestley Glacier shear margin experiment, Antarctica
 Seismic study to determine shear margin anisotropy of Priestley Glacier
 PI: David Prior, david.prior@otago.ac.nz

Table 1: 2020 multi-azimuth explosives survey parameters

Shot profile	Seismometers
parallel	SH1, SH2, SH4. 21 surface geophones
diagonal1	SH1, SH2, SH4. 21 surface geophones
perp	SH1, SH2, SH3. 21 surface geophones
diagonal2	SH1, SH2, SH3. 21 surface geophones

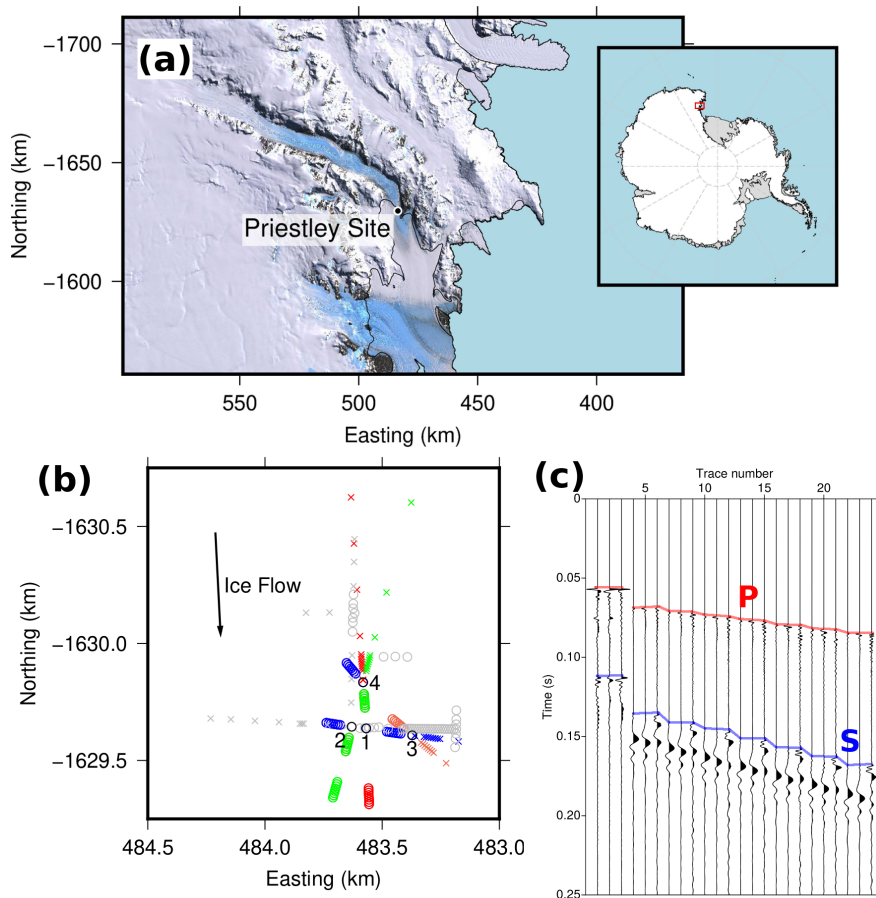


Figure 1: (a) Priestley Glacier regional map (b) Survey geometry: shots (crosses) and receivers (circles) of 2019 (gray) and 2020 (colour) survey. Boreholes are marked by black circles. 2019 positions are advected using the 2020 position of SH2. (c) Traces of shot 4053 recorded by the receivers connected to borehole 4