GPS Interferometric Reflectometry measurements of ground surface elevation changes in permafrost areas in northern Canada

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Supplementary

Figure S1: Ground photos of two GPS stations (a) KGLK and (b) REPL (source: https://webapp.geod.nrcan.gc.ca/geod/donnees/cacs-scca.php?locale=en). (a) shows that KGLK is located above an undulated and inhomogeneous surface and surrounded by tall shrubs. This is a negative example and no azimuth range can be selected. (b) shows a positive example that surrounding surface of REPL is open, nearly flat, and relatively homogeneous.
Figure S2: Surface elevation changes in each thaw season in Alert during 2012–2017. Red dots denote the measurements in thaw seasons. Grey error-bars denote the uncertainties. The mean value of the measurements has been removed.
Figure S3: Similar to Fig. S2 but for Repulse Bay during 2014–2017.
Figure S4: Similar to Fig. S2 but for Baker Lake during 2010–2017.
Figure S5: Similar to Fig. S2 but for Iqaluit during 2010–2017.