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Supporting Information for

[Ross Ice Shelf Displacement and Elastic Plate Waves Induced by Whillans Ice Stream Slip Events]

Douglas A. Wiens¹, Richard C. Aster², Andrew A. Nyblade³, Peter D. Bromirski⁴, Peter Gerstoft⁴,
Ralph A. Stephen⁵

¹Department of Earth and Planetary Sciences, Washington University, Saint Louis, MO, USA

²Department of Geosciences and Warner College of Natural Resources, Colorado State University, Fort Collins, CO, USA

³Department of Geosciences, Pennsylvania State University, University Park, PA, USA

⁴Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA, USA

⁵Woods Hole Oceanographic Institution, Woods Hole, MA, USA

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Figure S1

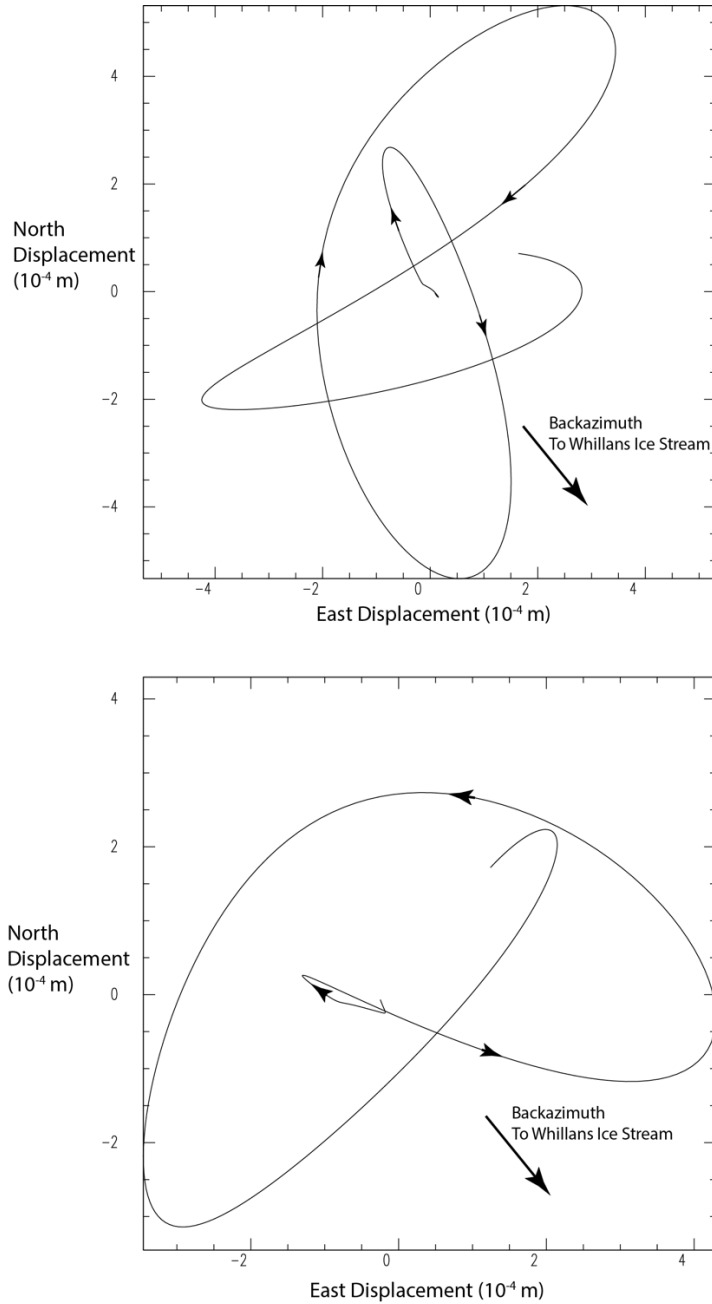


Figure S1. Plots of horizontal particle displacements for the initial (upper plot) and later (lower plot) pulses recorded by the seismograph at station RS18 from the December 7, 2015 event. The displacement seismograms were bandpass filtered from 0.05 – 0.008 Hz. Arrows denote the time progression of the particle motions. The back-azimuth of the center of the WIS is also shown. Both pulses show relatively linear initial particle motion away from the WIS, but the motion becomes more complex later in the waveform. The initial particle motion of the first pulse is more northerly than the later pulse, consistent with the more southerly location of the first WIS slip event.