

SETH OLINGER

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EDUCATION

PhD Candidate in Glacial Seismology 2018 - Present
Harvard University
Department of Earth and Planetary Sciences

B.A. in Geophysics 2014 - 2018
Washington University in St. Louis
Department of Earth and Planetary Sciences

RESEARCH INTERESTS

Glacial Seismology
Ice Dynamics
Machine Learning

SKILLS

Languages	Matlab, Python, Julia
Software & Tools	SAC, Antelope, ObsPy, SpecFEM2D, ISSM, ArcGIS
Instruments & Field Experience	Active source seismic, passive source seismic, gravitometer, resistivity meter, magnetometer

PUBLICATIONS

- [1] S. D. Olinger et al. "Tidal and Thermal Stresses Drive Seismicity Along a Major Ross Ice Shelf Rift". In: *Geophysical Research Letters* 46.12 (June 2019), pp. 6644–6652. DOI: 10.1029/2019g1082842.
- [2] Z. Chen et al. "Ross Ice Shelf Icequakes Associated With Ocean Gravity Wave Activity". In: *Geophysical Research Letters* 46.15 (Aug. 2019), pp. 8893–8902. DOI: 10.1029/2019g1084123.

AWARDS

Outstanding Student Presentation Award (AGU 2018)