



media [1, 2], and on SciPy's simulated annealing global parameter search.



This research regards the ancestral homelands and waters of hundreds of diverse and distinct Indigenous Peoples. It was partly undertaken on The conversion and reflection patterns in Cascadia occur at earlier times, at around 5 s for reflected waves and 10 to 20 s for forward scattered waves and 10 to 20 s for reflected waves and 20 s for reflected waves and 20 s f UBC campus, which is located on the traditional, ancestral, and unceded territories of the Musqueam People. We thank Xiaohui Yuan for providing routines for the stacks (top) and in the local seismic tomography with the CCP image as shades (bottom). Low velocity zones in the stacks (top) and in the local seismic tomography with the CCP image as shades (bottom). Low velocity zones in the stacks (top) and in the stacks (top) and in the stack (top) and in the stack (top) and in the stacks (top) and in the stack ( Grant BL 1758/1-1 related horizon "c". depth yield additional wave conversions and may be related to hydration of the slab mantle.

# **Multi-parameter Receiver Function Modeling** Application to the Subduction Zones of the Central Andes and Cascadia

Wasja Bloch<sup>1</sup> (wasja@wasjabloch.de), Bernd Schurr<sup>1</sup>, Begoña Parraguez Landaeta<sup>1</sup>, Claudio Faccenna<sup>1</sup>, Frederik Tilmann<sup>1</sup>, Michael Bostock<sup>2</sup>, Pascal Audet<sup>3</sup> <sup>1</sup>German Geoscience Centre GFZ, <sup>2</sup>The University of British Columbia, <sup>3</sup>University of Ottawa





- 10.1002/2014jb011133
- [8] Bloch, W., Bostock, M. G., and Audet, P. (2023). A Cascadia slab model from receiver functions. G-cubed, doi: 10.1029/2023GC0