References cited
COLDEX Annual Meeting 2025 (poster)

An, M., et al. (2015). Temperature, lithosphere‐asthenosphere boundary, and heat flux beneath the Antarctic Plate inferred from seismic velocities. *Journal of Geophysical Research: Solid Earth*, *120*(12), 8720-8742.

Bevington, P. R., & Robinson, D. K. (2003). Data reduction and error analysis. *McGraw-Hill, New York*.

Davison, A. C., & Hinkley, D. V. (1997). *Bootstrap methods and their application*. Cambridge university press.

Greene, C. A., Gwyther, D. E., & Blankenship, D. D. (2017). Antarctic Mapping Tools for Matlab. Computers & Geosciences, 104, 151–157. Elsevier BV. Retrieved from https://doi.org/10.1016%2Fj.cageo.2016.08.003

Harrell, F. E., & Levy, D. G. (2022). Regression modeling strategies. *R package version*, 6-3.

Hazzard, J. A., & Richards, F. D. (2024). Antarctic geothermal heat flow, crustal conductivity and heat production inferred from seismological data. *Geophysical Research Letters*, *51*(7), e2023GL106274.

Lösing, M., & Ebbing, J. (2021). Predicting geothermal heat flow in Antarctica with a machine learning approach. *Journal of Geophysical Research: Solid Earth*, *126*(6), e2020JB021499.

Martos, Y. M., Catalán, M., Jordan, T. A., Golynsky, A., Golynsky, D., Eagles, G., & Vaughan, D. G. (2017). Heat flux distribution of Antarctica unveiled. *Geophysical Research Letters*, *44*(22), 11-417.

MathWorks. (2025). *Image Processing Toolbox* (R2025a) [Computer software]. MathWorks. https://www.mathworks.com/products/image.html

MathWorks. (2025). *Statistics and Machine Learning Toolbox* (R2025a) [Computer software]. MathWorks. https://www.mathworks.com/products/statistics.html

Maule, C. F., Purucker, M. E., Olsen, N., & Mosegaard, K. (2005). Heat flux anomalies in Antarctica revealed by satellite magnetic data. *Science*, *309*(5733), 464-467.

Mouginot, J., Rignot, E., & Scheuchl, B. (2019). Continent‐wide, interferometric SAR phase, mapping of Antarctic ice velocity. *Geophysical Research Letters*, *46*(16), 9710-9718.

Shen, W., Wiens, D. A., Lloyd, A. J., & Nyblade, A. A. (2020). A geothermal heat flux map of Antarctica empirically constrained by seismic structure. *Geophysical Research Letters*, *47*(14), e2020GL086955.

Stål, T., Reading, A. M., Halpin, J. A., & Whittaker, J. M. (2021). Antarctic geothermal heat flow model: Aq1. *Geochemistry, Geophysics, Geosystems*, *22*(2), e2020GC009428.

van Dalum, C. T., van de Berg, W. J., van den Broeke, M. R., & van Tiggelen, M. (2025). The surface mass balance and near-surface climate of the Antarctic ice sheet in RACMO2. 4p1. *EGUsphere*, *2025*, 1-40.

Van Liefferinge, B., & Pattyn, F. (2013). Using ice-flow models to evaluate potential sites of million year-old ice in Antarctica. *Climate of the Past*, *9*(5), 2335-2345.

Young, D., et al. (2025). NSF COLDEX 2022-23 Level 2 Basal Specularity Content Profiles.

Young, D. A., et al. (2025). NSF COLDEX Ice Penetrating Radar Derived Grids of the Southern Flank of Dome A: Subtitle.