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**Supplementary Information** is available in the online version of the paper.

Acknowledgements This work was supported by the Swiss National Science Foundation (scholarship P2BEP2\_152071), by the US National Science Foundation (grants 05-38630 and 09-44343 to J.S.) and by the JSPS KAKENHI (grants 21671001, 26241011, 15KK0027 and 17H06320 to K.K.). We thank C. Buizert for providing the WAIS divide past firn temperature modelling results and P. Pfister for providing the Bern3D model results. We are deeply indebted to many participants in the WAIS Divide project and especially thank K. Taylor, M. Twickler, the National Ice Core Laboratory, the Ice Drilling Design and Operations (IDDO) for ice drilling, the New York Air National Guard for airlift, and the Office of Polar Programs of the US National Science Foundation. R. Keeling first provided the idea for the noble-gas-based determination of mean ocean temperature.

Author Contributions B.B. and D.B. performed the experiments and analysed the ice samples, and S.S. provided assistance. B.B. analysed the data and J.S. reviewed it. B.B. performed the simulations and data evaluations. J.S supervised the project. K.K. developed central parts of the method used. B.B. drafted and wrote the manuscript and J.S., D.B. and S.S. reviewed it.

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Reviewer Information Nature thanks W. Aeschbach, R. Stanley and the other anonymous reviewer(s) for their contribution to the peer review of this work.