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Supporting Information for

Seawater-particle interactions of rare earth elements and neodymium isotopes in the deep central Arctic Ocean

Ronja Paffrath^{1*}, Katharina Pahnke¹, Philipp Böning¹, Michiel Rutgers van der Loeff², Ole Valk², Sandra Gdaniec^{3,4} and H  l  ne Planquette⁵

¹ Marine Isotope Geochemistry, Institute for Chemistry and Biology of the Marine Environment (ICBM), University of Oldenburg, Oldenburg, Germany

² Alfred-Wegener-Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

³ Swedish Museum of Natural History, Department of Geosciences, Stockholm, Sweden

⁴ Laboratoire des Sciences du Climat et de l'Environnement, LSCE/IPSL, CEA-CNRS-UVSQ Universit   Paris-Saclay, Gif-sur-Yvette, France

⁵ Univ Brest, CNRS, IRD, Ifremer, LEMAR, Plouzan  , France

*Corresponding author: Ronja Paffrath (ronja.paffrath@uni-oldenburg.de)

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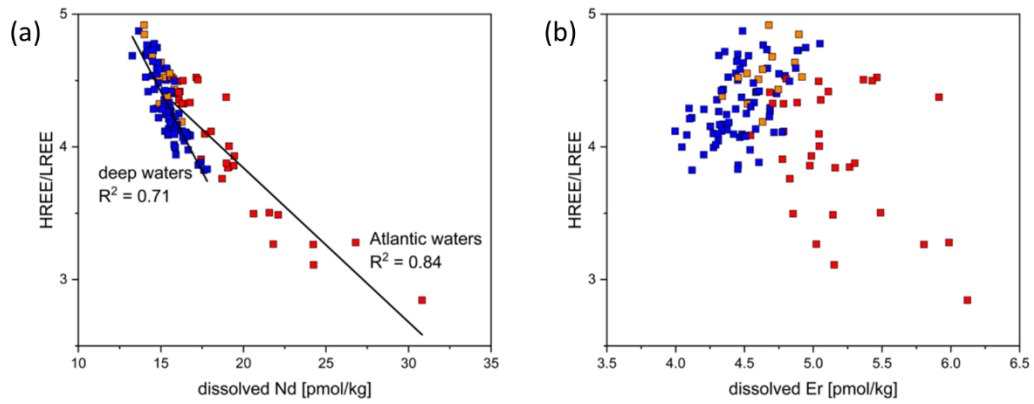


Figure S1. (a) Nd vs. HREE/LREE and (b) Er vs. HREE/LREE. Samples from the Atlantic Layer are shown in red, samples from intermediate waters in orange and samples from the deep waters in blue.

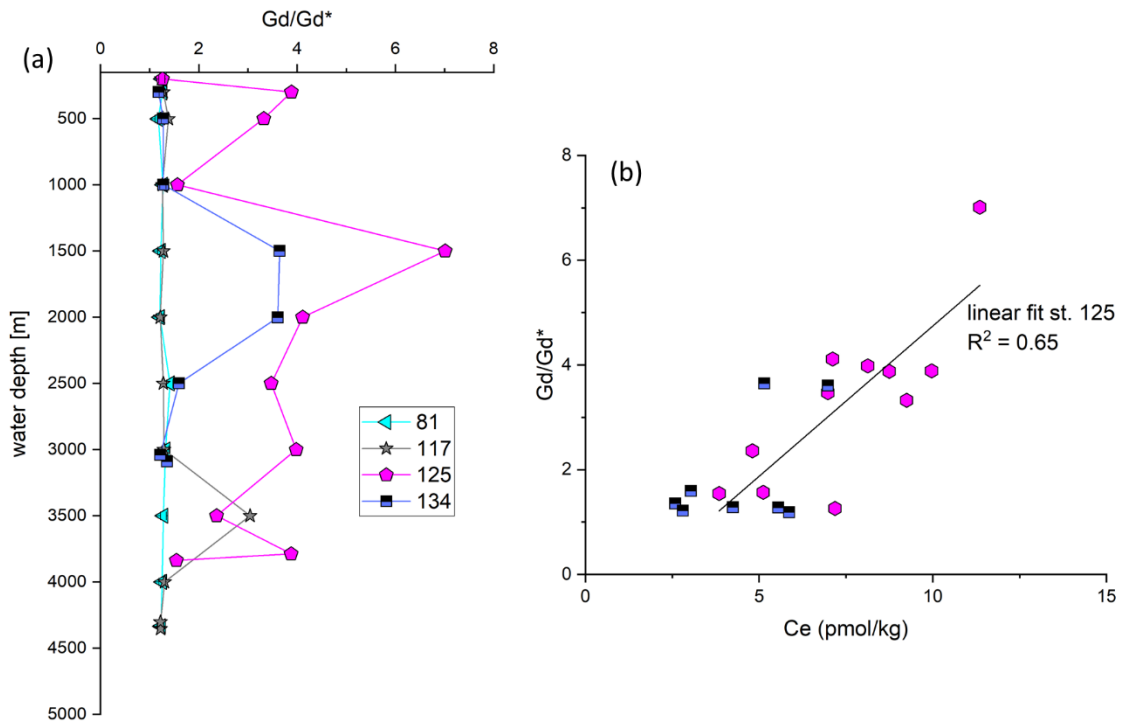


Figure S2. (a) Gd-anomaly at selected stations. (b) Correlation of Ce concentrations and Gd-anomaly for stations 125 and 134.

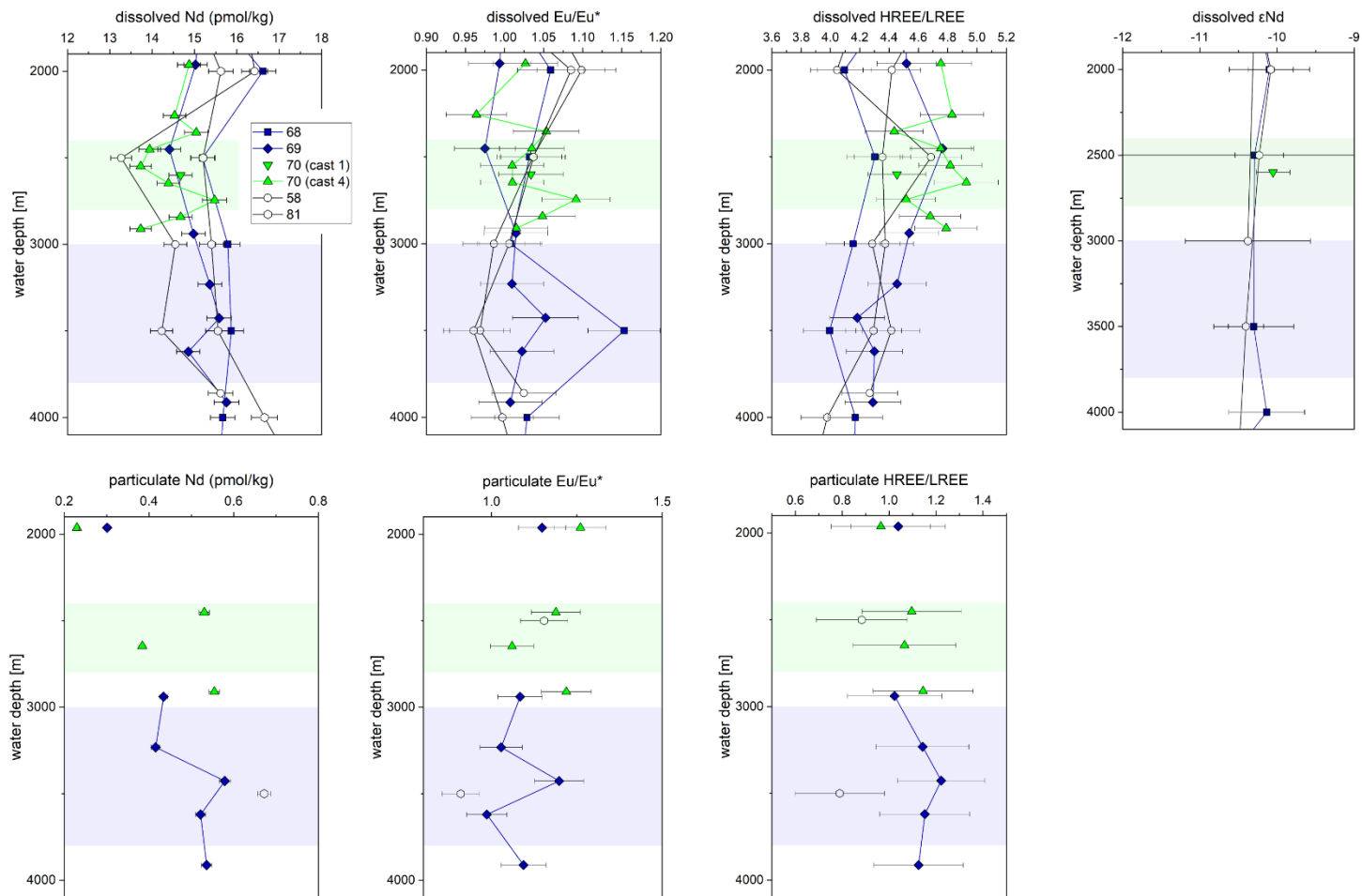


Figure S3. Hydrothermally influenced stations 68, 69 and 70. Stations 58 and 80 are shown for comparison. Stations 69 and 70 (cast 4) were sampled from the ultraclean rosette. Dissolved samples are shown on the upper panel, particulate samples on the lower panel for Nd concentrations, Eu-anomalies, HREE/LREE ratios and Nd isotope composition. The blue and green marked depth ranges mark the depths of the hydrothermal influence in accordance with Stranne et al. (2010) for stations 68/69 and 70, respectively.