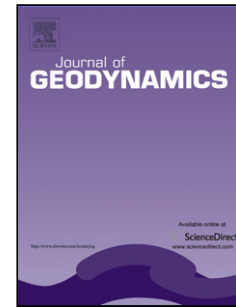


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## A North Pole thermal anomaly? Evidence from new and existing heat flow measurements from the central Arctic Ocean

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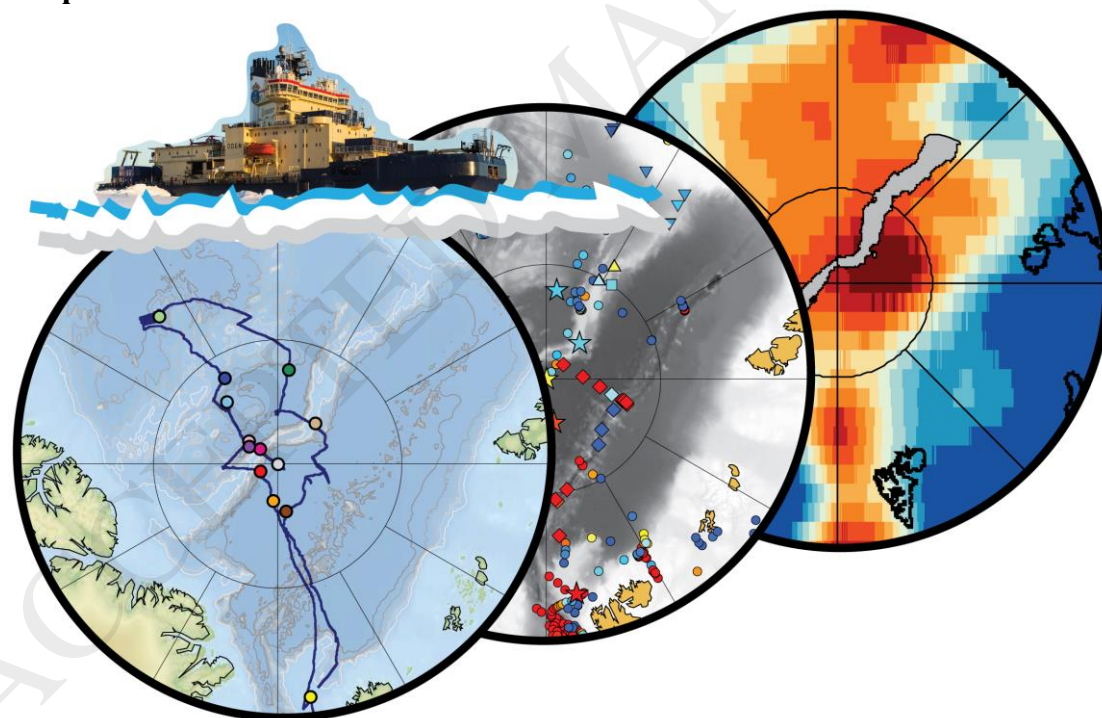
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### Graphical abstract



### Abstract:

Constraining the thermal evolution of the Arctic Ocean is hampered by notably sparse heat flow measurements and a complex tectonic history. Previous results from the Lomonosov Ridge in the vicinity of the North Pole, and the adjacent central Amundsen Basin reveal varied values, including those higher than expected considering plate cooling or simple uniform stretching models. Furthermore, in the vicinity of the North Pole an anomalously slow velocity

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