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Doctoral  Degree in Geography

Thesis Title:

AN ANALYSIS OF THE ARCTIC OCEAN NET SURFACE HEAT FLUX AND ITS COMPONENTS FROM ATMOSPHERIC REANALYSES AND SURFACE OBSERVATIONS

Have you performed research involving human subjects which requires approval from the Institutional Review Board (IRB)?  Yes  No

IRB Protocol Number \_\_\_\_\_

Have you used live animals, animal tissue, or observational animal work which requires approval from the Institutional Animal Care and Use Committee (IACUC)?  Yes  No

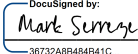
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Attach the final copy of thesis/dissertation for committee review. While formatting changes may be requested by the Graduate School, the content of the attached document should be final.




**Approvals:**

Committee Chair Name Dr. Mark Serreze

Signature  Date Signed 12/26/2023

Committee Member Name Dr. Alice DuVivier

Signature  Date Signed 12/27/2023

The final copy of this thesis has been examined by the signatories, and we find that both the content and the form meet acceptable presentation standards of scholarly work in the above-mentioned discipline.