Student Name Shay Gilpin	_Student ID_*******
Doctoral Degree in Applied Mathematics	
Thesis Title:	
A New Perspective on Covariance Propagation for Data Assimilation Applications	
Have you performed research involving human subjects which requires approval from the	
Institutional Review Board (IRB)? Yes _X_ 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 (I	ACUC)? Yes _x_ No
IACUC Protocol Number	
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 Tomoko Matsuo	
Signature Docusigned by: Date Docusies by: Dat	te Signed
Committee Member Name Stephen E. Cohn	
Signature Stylun & Colun. ABB27A528C2048C Date D	te Signed <u>7/24/2023</u>

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.