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Thesis Title:

Dynamics of Rotation and Magnetism in the Sun's Convection Zone and Tachocline

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

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

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IACUC Protocol Number \_\_\_\_\_

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**Approvals:**Committee Chair Name Juri ToomreSignature  Date Signed 4/3/2022Committee Member Name Steven CranmerSignature  Date Signed 4/4/2022

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.