

FLORIDA STATE UNIVERSITY
COLLEGE OF ARTS AND SCIENCES

CHANGES IN OCEAN REDOX OVER EARTH'S HISTORY:
DEVELOPING AND UTILIZING PALEOREDOX PROXIES
AND CONSTRAINING OXYGEN BUDGETS

By
SEAN M. NEWBY

A Dissertation submitted to the
Department of Earth, Ocean, and Atmospheric Sciences
in partial fulfillment of the
requirements for the degree of
Doctor of Philosophy

2023

Sean M. Newby defended this dissertation on July 27, 2023.

The members of the supervisory committee were:

Jeremy D. Owens
Professor Directing Dissertation

Jeannette L. Wulff
University Representative

Seth A. Young
Committee Member

Angela N. Knapp
Committee Member

Vincent Salters
Committee Member

The Graduate School has verified and approved the above-named committee members, and certifies that the dissertation has been approved in accordance with university requirements.