FLORIDA STATE UNIVERSITY

COLLEGE OF ARTS AND SCIENCES

QUANTIFYING SIMULATED DEEP CONVECTIVE TRANSPORT AND ITS SENSITIVITY TO LIGHTNING DATA ASSIMILATION IN A SUPERCELL AND MESOSCALE CONVECTIVE SYSTEM

By

CANSU DÜZGÜN

A Thesis submitted to the
Department of Earth, Ocean, and Atmospheric Sciences
in partial fulfillment of the
requirements for the degree of
Master of Meteorology

2023

Cansu Duzgun defended this thesis on June 26, 2023.
The members of the supervisory committee were:

Henry E. Fuelberg

Professor Directing Thesis

Allison Wing

Committee Member

Christopher Holmes

Committee Member

Rebecca Adams-Selin

Committee Member

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