

Stratosphere-troposphere Coupling:
Connections to North Atlantic Weather and Climate
Including their Representation in CMIP5 Models

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Monday, August 5th

3:00 p.m. – Refreshments & Socializing

3:30 p.m. – Seminar

FL2 1001 – Small Auditorium

Abstract

I will discuss recent research linking extreme stratospheric wave propagation (upward and downward) to North Atlantic weather and climate. The extreme events significantly impact the residual circulation in the stratosphere and are connected to North Atlantic Oscillation-like anomalies in the troposphere. The representation of these links in Coupled Model Intercomparison Project Phase 5 (CMIP5) models, including their connection to biases in the Atlantic jet stream will be discussed.