

# Discovering the secret to Sandy's movement

## Introduction

This project was divided into two parts. One part was on looking at the geopotential heights of hurricanes that were similar to Sandy. Another part involved experimentally removing latent heat release from a numerical simulation of Sandy with the Weather Research and Forecasting (WRF) model to see what would happen

Reginald E. Johnson  
Department of Earth and Atmospheric Sciences  
Cornell University  
Ithaca, New York 14853  
rej57@cornell.edu

## Observation

For Hurricane Sandy, as well as for Hurricanes that took a similar path, there was a **trough over the southeast US** during their left turns. Additionally there was a **ridge in southeastern Canada and Greenland**.

## Analogous Pairs

### Geopotential Heights at Turn

