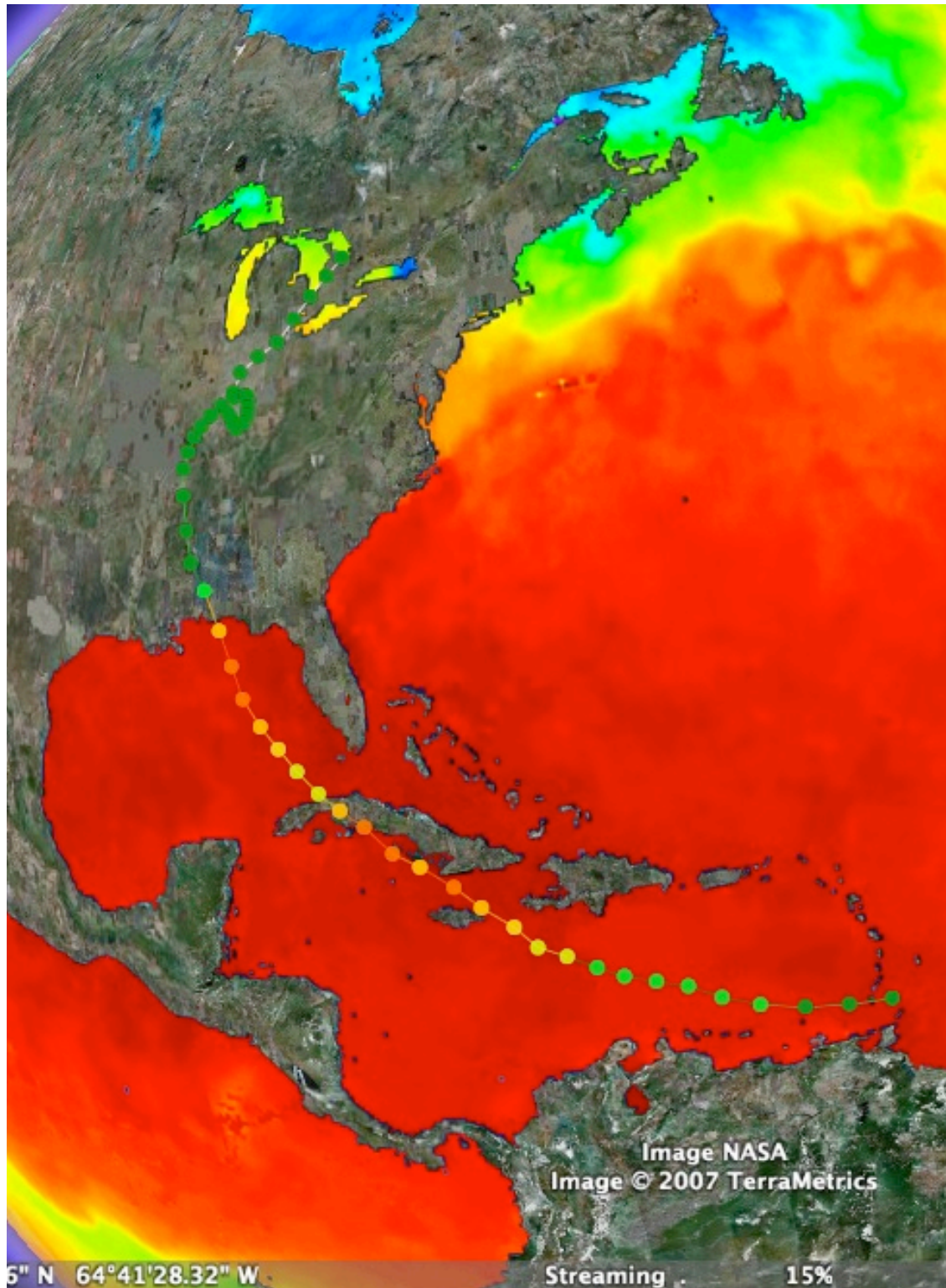


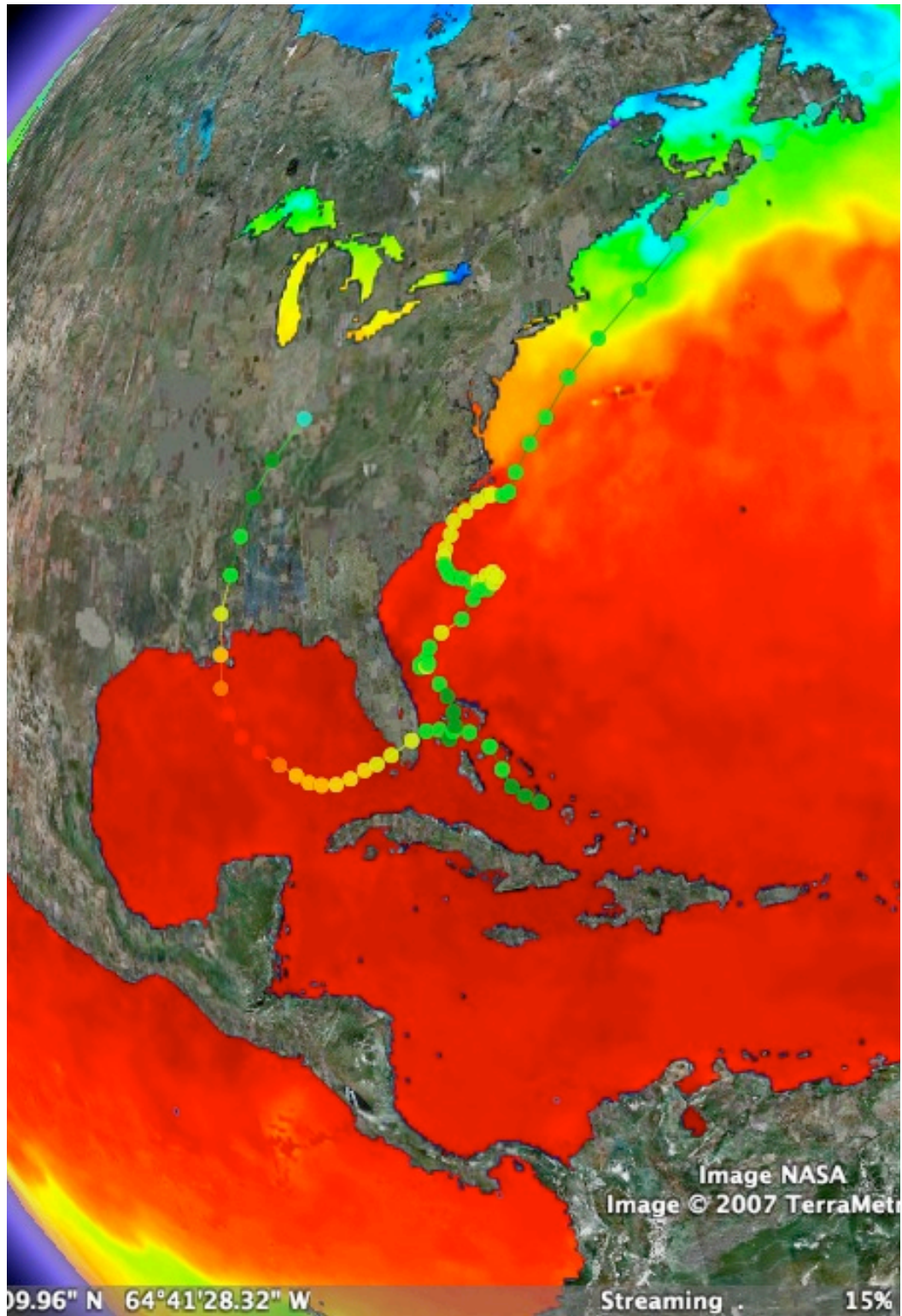
HURRICANE DENNIS

Below is an image showing the path of Hurricane Dennis in 2005.



HURRICANE KATRINA & HURRICANE OPHELIA

Below is an image of Hurricane Katrina and Hurricane Ophelia (both from 2005).



Name: _____ Date: _____ Class/Period: _____

LESSON 3: WHY SHOULD WE CARE ABOUT CLIMATE CHANGE?

Activity 3.2 Global Warming and Hurricanes

Purpose: The purpose of this activity is to explore the relationship between **ocean temperatures** and **hurricane strength**. On these images, we are working with color gradients. For ocean temperature, red is hot and blue is cold. For hurricanes, color refers to the strength of the storm, with red being the strongest storms and blue/green being the weakest. In your group you will use images of hurricanes and ocean temperatures from Google Earth to explore this connection.

Hurricane Dennis

Study the image of Hurricane Dennis.

1. How does the strength of hurricane Dennis change as it moves towards the U.S. Coast?
2. What relationship can you see to ocean temperature?
3. What happens to Hurricane Dennis as it moves over land? Why?

Hurricane Ophelia and Katrina

Study the image of Hurricanes Ophelia and Katrina.

4. How are these two hurricanes different?
5. What happens to Ophelia as it moves up the eastern coastline of the U.S.? How is this different from Katrina and Dennis?