

Name: \_\_\_\_\_

Period: \_\_\_\_\_

### Hurricane Irene 2011 Data Lab

Date & Time	Latitude, Longitude	Wind Speed (mph)	Pressure (mb)	Category
August 20, 2011	15° N, 58° 30' W	40	1006	Tropical Storm
August 21, 2011	16° 30' N, 62° W	50	1005	Tropical Storm
August 22, 2011	19° N, 67° W	75	987	Category 1 Hurricane
August 23, 2011	20° 30' N, 70° 30' W	100	978	Category 1 Hurricane
August 24, 2011	22° N, 73° 30' W	115	957	Category 2 Hurricane
August 25, 2011	25° 30' N, 76° 30' W	115	950	Category 2 Hurricane
August 26, 2011	30° N, 77° 30' W	110	945	Category 1 Hurricane
August 27, 2011	35° N, 76° 30' W	85	952	Category 1 Hurricane
August 28, 2011	40° 30' N, 74° W	75	963	Category 1 Hurricane
August 29, 2011	44° N, 70° W	45	990	Tropical Storm

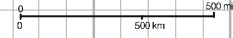
1. Plot the location of Irene on the map on the next page using colored pencil to indicate the category of the storm (green - Tropical Storm, blue - Category 1, Red - Category 2). Place the date next to each plotted point (for example, 8/20).
2. Why did the wind speed drop between August 26 and August 27?
3. Calculate the speed at which the Hurricane was moving (not the wind speed) from August 20 - August 22.  
(Rate (speed) = distance / time)
4. Calculate the speed at which the Hurricane was moving from August 28 - August 29.

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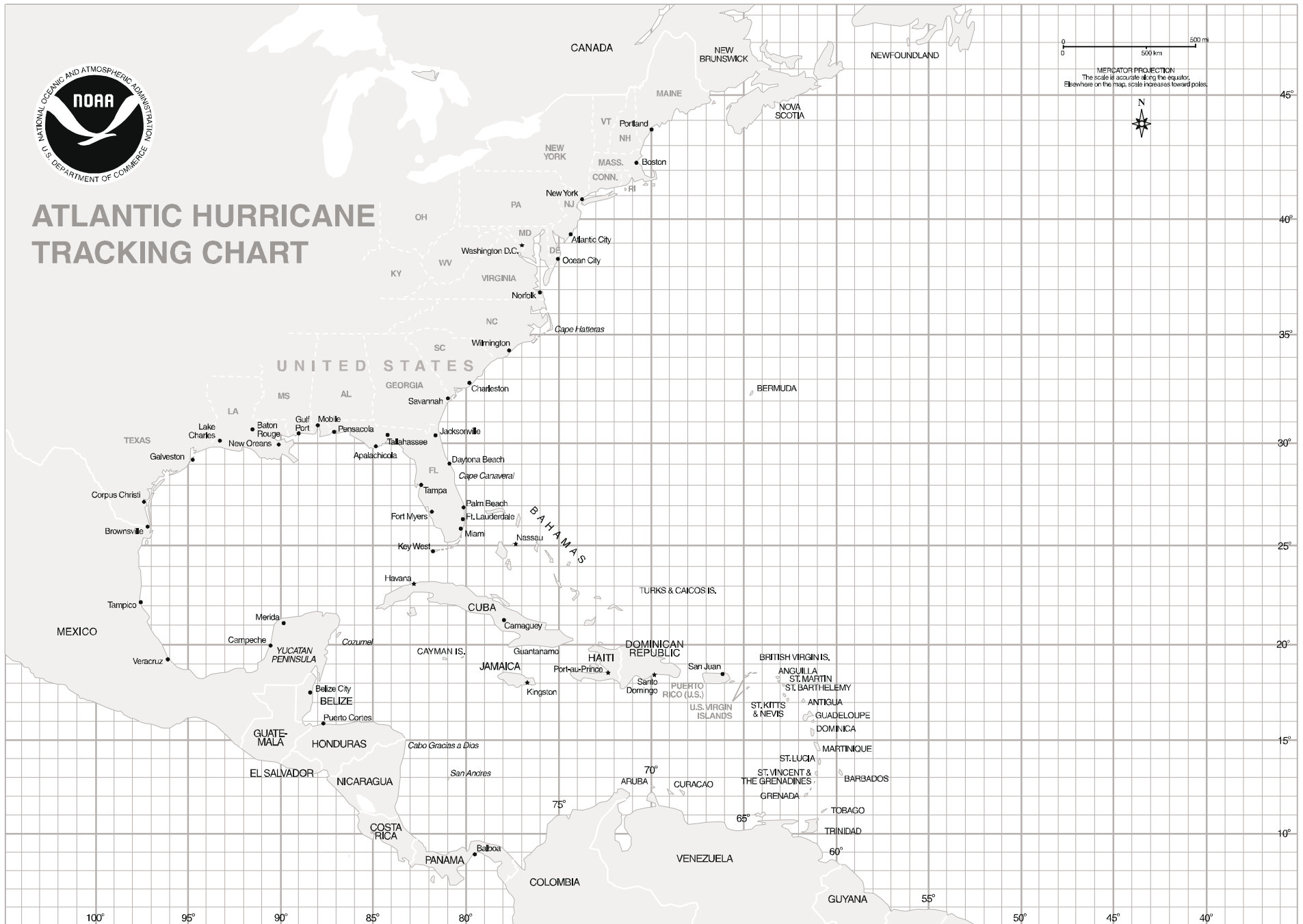
Period: \_\_\_\_\_



# ATLANTIC HURRICANE TRACKING CHART



MERCATOR PROJECTION  
The scale is accurate along the equator.  
Elsewhere on the map, scale increases toward poles.



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5. On the graph below, plot the relationship between wind speed and air pressure.

