

Wind Team Upper Air Wind Speed - Day 2

Jet streams are narrow corridors of very strong winds at altitudes from 30,000 to 50,000 feet. They blow in a wavy pattern from west to east across North America at speeds exceeding 90 knots.

The shape of the jet stream is important in weather forecasting. Troughs (U) of low pressure air that dip south bring cold, cloudy weather. Ridges (∩) of high pressure air that rise north bring warm, clear weather.

Circle each number with the corresponding color in the key. DO NOT shade in the circle. Do you notice a trough or ridge? What is the position of the jet stream in relation to New York City (indicated by a star)? How might the shape of the jet stream affect the weather in New York City?

KEY	
Color	Knots
Red	≥150
Orange	130-149
Blue	110-129
Green	90-109
Don't Color	<90

