

Wind Team Graph Day 3

Surface winds blow across the Earth at altitudes from 0 to approximately 3,000 feet. The strength of surface winds or a sudden change in wind speed or direction can adversely affect the takeoff and landing of small planes and the safety of a fireworks display.

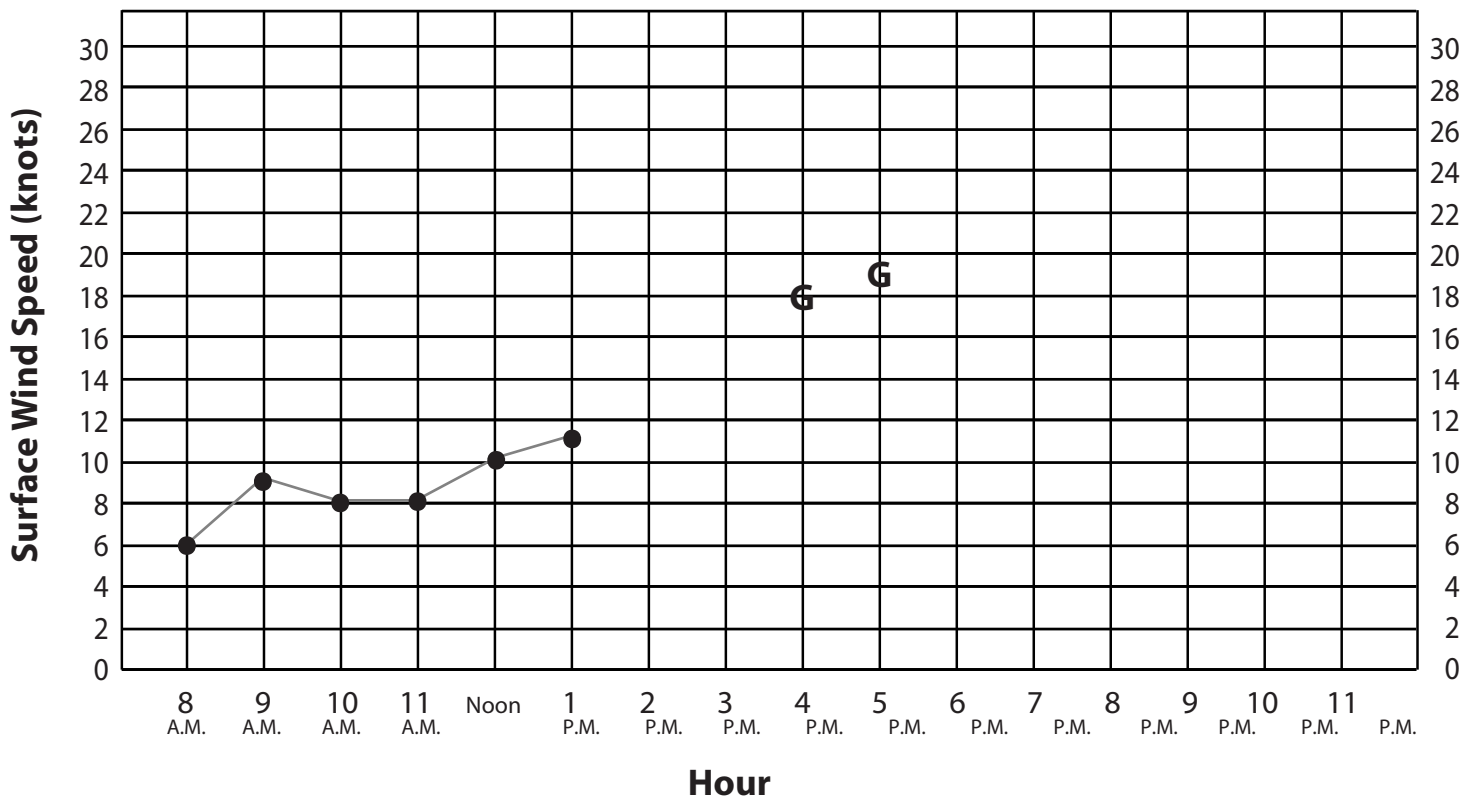
Finish the line graph of surface wind speeds for Dayton on day 3. Ask your teacher for the data. Are there any wind gusts (indicated by the letter "G" on the graph)? When did they occur?

Compare the day 2 and day 3 graphs. Are the winds becoming stronger or growing weaker? What is your weather prediction for the events scheduled on day 4?

0-6 knots
Weak possibility of
severe weather

7-21 knots
Moderate possibility of
severe weather

22-40 knots
Strong possibility of
severe weather



Key

G = Gust

1 Knot = 1.151 miles/hr.