

Meteorology Final Project

Points 70

The purpose of this research project is to graph and analyze the data from your semester weather journal.

Graphing and Station Plots

The following must be graphed from the dates of _____ to _____. Graphs must be done on graph paper.

Temperature

Dew Point

Humidity

Barometric Pressure

Complete station models for every Thursday from your weather journal

Data Analysis

Use your graphs, data and station models to answer the following questions.

1. What connections and trends do you see in your data?
2. What are some date ranges where high pressure systems are present? How can you tell?
3. What date ranges are low pressure systems present? How can you tell?
4. Give 3 examples of when fronts moved through. How can you tell?
5. Average the data collected for each month. Which months were the driest, wettest, coldest and hottest? How can you tell?
6. Compare your data with a classmate. What are some similarities and differences in your data? What might be causing this?
7. Can you predict the weather for the rest of December (fall semester)/May (spring semester)? Why?
8. Why is the data you collected important? How can it be used?