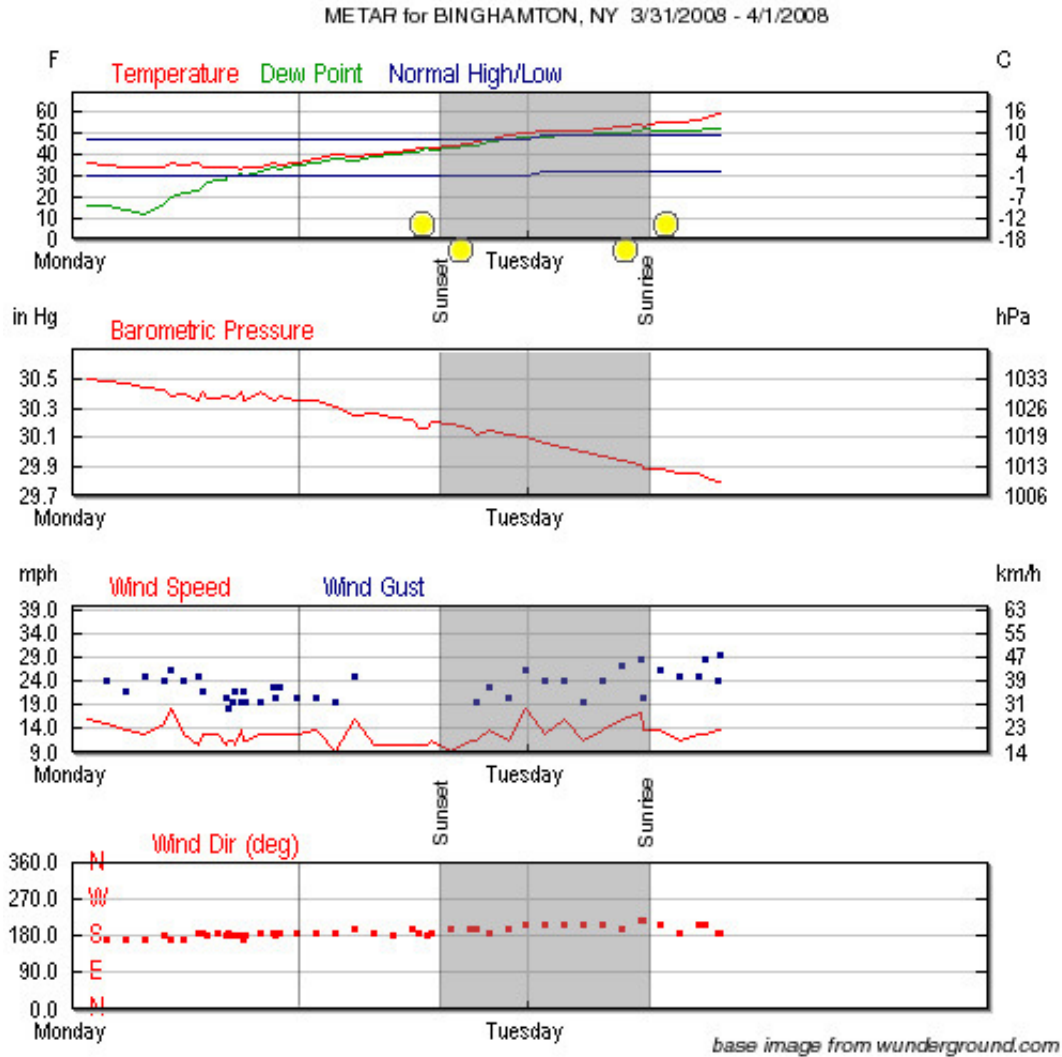


EARTH SCIENCE REGENTS Weather (Pressure & Temperature) Review

The metar below is drawn from data collected at Binghamton, NY. Although April 1 is traditionally reserved for pranks, the weather data presented here is real.



1. What was the weather like in Binghamton on the night of 3/31 – 4/1?

2. Estimate the RH during the night. _____ How does the data on the chart support your estimate of the RH?

3. Why are the coldest temps *usually* recorded just before sunrise?

4. What could have caused the anomalous temperature change on the night of 3/31 – 4/1 (hint: check the wind speed and direction!).

5. Describe the relationship between temperature and pressure, and between dew point and pressure.

6. Explain the relationship between temperature and pressure, and between dew point and pressure
