Analysis:

Observation 1: Generally speaking, as seen in Latitude vs. Max Temp graph, temperatures in northern hemisphere (positive latitudes) are higher than those in southern hemisphere (negative latitudes) as it is the summer time in northern sphere.

Observation 2: Generally speaking, temperature decreases as you move from equator (0th latitude) to the poles.

Observation 3: Generally speaking, the humidity is higher near equator (due to the fact that all cities near equator have 50% + humidity level). This observation well aligns with the fact that higher humidity is a characteristic of tropical climate (seen near the equator).

 

 