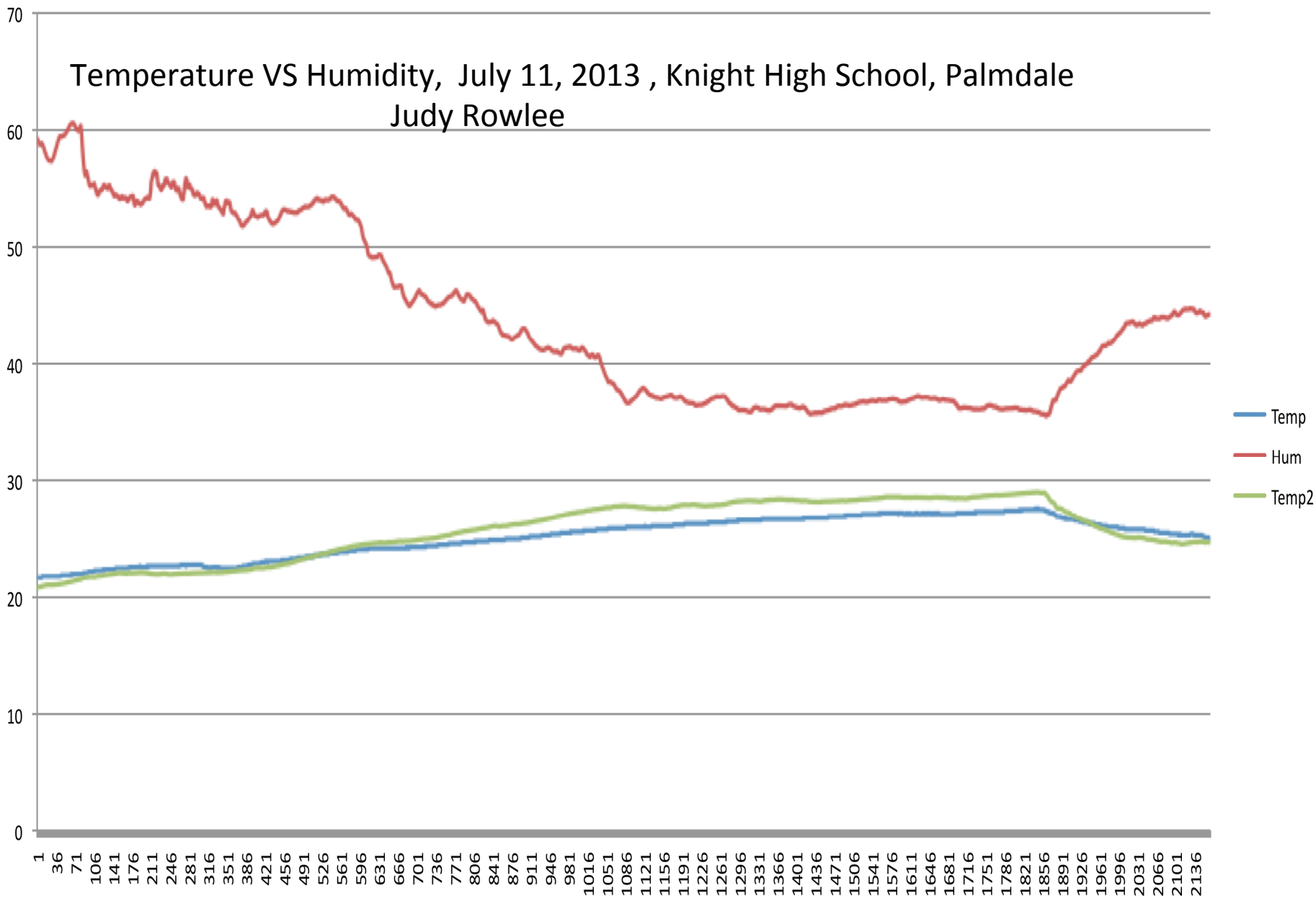


Temperature VS Humidity, July 11, 2013 , Knight High School, Palmdale

Judy Rowlee



Relative Humidity

- The amount of water vapor in the air, expressed as a percentage of the maximum amount that the air could hold at the given temperature.

Heat Index

- Water vapor is a lighter gas than other gaseous components of air at the same temperature, so humid air will tend to rise by natural [convection](#). This is a mechanism behind [thunderstorms](#) and other [weather](#) phenomena. Relative humidity is often mentioned in [weather forecasts](#) and reports, as it is an indicator of the likelihood of [precipitation](#), dew, or fog. In hot summer [weather](#), it also increases the [apparent temperature](#) to [humans](#) (and other [animals](#)) by hindering the [evaporation](#) of [perspiration](#) from the skin as the relative humidity rises. This effect is calculated as the [heat index](#) or [humidex](#).

