

**Question:** How does the average temperature of the first two weeks in September 2015 compare to past years?

**Claim:** Temperatures for the first two weeks of September in Bangor, ME have been above average.

**Evidence:**

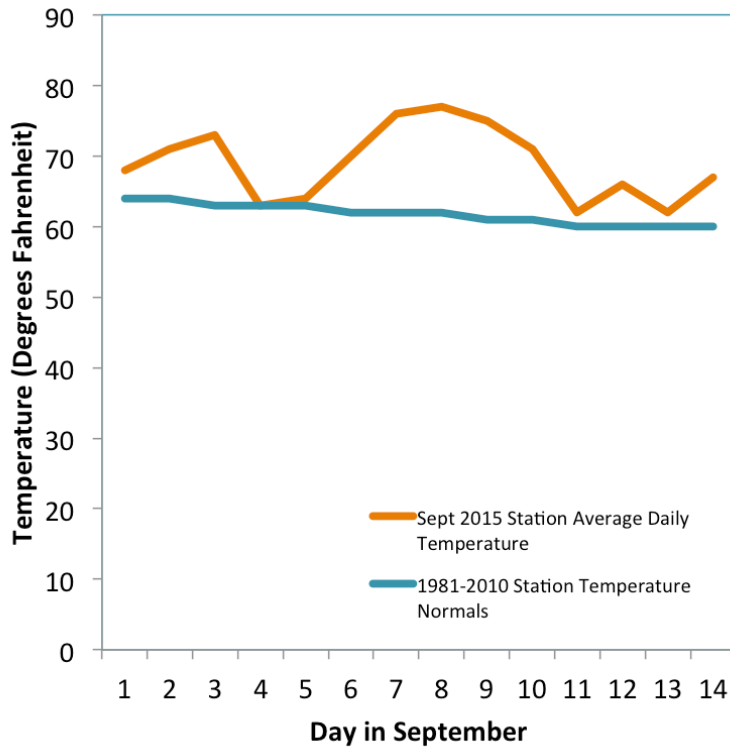


Figure 1. The above graph shows daily temperature averages from the Bangor International Airport for September 2015 plotted alongside daily average temperatures from the same location calculated between 1981 and 2010.

Source of plotted 2015 weather data: <http://www.nws.noaa.gov>

Bangor Weather station normal extracted from: <http://www1.ncdc.noaa.gov>

**Reasoning:** The orange line, which shows temperature from this year, is always above the blue line, which shows the average daily temperature calculated from 29 years of data. The two lines only intersect at one point on the 4<sup>th</sup> of September when both the 29 year average and the 2015 temperature were 63 degrees. The warmer temperatures this year might be related to the El Niño that has been strengthening into the fall, but I am not sure if they are related. Another question would be how this compares to 2015 data and averages on the 1981-2010 period from other Maine weather stations. For example the NOAA Gray and Caribou, ME stations. Another question would be how this years data compared to last years, or a five year average.