

Summer, 2007 Final Temperature Forecast for Philadelphia International Airport (PHL)  
in degrees Fahrenheit

The forecast mean summer temperature is:	67% confidence interval is:	90% confidence interval is:
75.2	73.9 - 76.4	73.1 - 77.2

The normal summer temperature at PHL is 75.4 degrees.

The above forecast is from a multiple linear regression equation that was derived from data from 1950 through 2006 that came from PHL. It was found that the combination of the Julian date of the first heat wave of the season and the mean April minimum temperature at PHL explained approximately 36 percent of the variance in mean summer temperatures. The first heat wave of the season began on July 8<sup>th</sup>.