

Verification of Final Meteorological Summer and Winter Temperature Forecasts
Made for Philadelphia International Airport (PHL)

Season	Observed Mean Temperature	Final Forecast	Error	Approximate Date of Final Forecast*	Observed Temperature Within	
					67% Confidence Interval?	90% Confidence Interval?
Summer 2005	77.8	75.0	-2.8	July 12	no	no
Summer 2006	76.8	76.0	-0.8	July 18	yes	yes
Winter 2006/07	36.3	36.7	0.4	February 5	yes	yes
Summer 2007	76.0	75.2	-0.8	July 10	yes	yes
Winter 2007/08	36.8	36.8	0.0	January 26	yes	yes
Summer 2008	76.8	76.9	0.1	June 9	yes	yes
Winter 2008/09	34.9	33.7	-1.2	January 11	yes	yes
Summer 2009	75.1	76.9	1.8	May 1	no	yes
Winter 2009/10	33.8	34.3	0.5	December 19	yes	yes
Summer 2010	79.6	77.5	-2.1	June 4	no	no
Winter 2010/11	33.1	34.2	1.1	December 16	yes	yes
Summer 2011	78.0	77.3	-0.7	June 1	yes	yes
Winter 2011/12	40.7	40.2	-0.5	February 12	yes	yes
Summer 2012	78.0	76.5	-1.5	June 22	no	yes

All temperature values are in degrees Fahrenheit.

* The Approximate Date of Final Forecast is the first day when the final forecast can be issued. For the summer forecast, that day is after the March through May Oceanic Nino Index and the date of the start of the first heat wave are known. For the winter forecast, that day is after the mean November maximum temperature and the date of the start of the first cold snap are known. A heat wave is defined as three or more consecutive days when the temperature reaches or exceeds 90 degrees. A cold snap is defined as three or more consecutive days when the temperature fails to exceed 35 degrees. If in the opinion of the researcher no heat wave or cold snap will occur, then the Approximate Date of Final Forecast is the day the researcher comes to that conclusion.