

The Pennsylvania Observer

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July 2007 – Pennsylvania Weather Recap

High pressure over the Great Lakes created a dry and cool start to July 2007. In fact numerous cities, such as Williamsport on July 3rd, set record low temperatures. During the first four days of the month, daily high temperatures remained in the mid-70s to low-80s. Fourth of July festivities occurred in mostly cool, dry conditions, except in southeastern portions of the state where a few scattered showers produced almost ½ inch of rain in York and its surrounding cities. This moisture seen on the 4th was a glimpse of what was to impact the state the next day as a cold front pushed its way into western PA. The entire Commonwealth witnessed continuous showers, some heavy at times. Allentown received over two inches of rain on July 5th. The moist conditions persisted throughout the state on Friday the 6th as well, with most of the stronger storms isolated along the Pennsylvania-New Jersey border.

In the days after the passing of the cold front, temperatures steadily rose and reached their monthly maximum on the 9th. The state sat in the warm sector of a synoptic low pressure system causing the above average temperatures. Southeastern PA cities hovered close to the 100 degree mark. Williamsport recorded a daily high temperature on the 9th of 100°F. The low pressure crossed the state on July 12th as the 2nd cold front of the month. Again, scattered showers were seen throughout the Commonwealth.

Soon a 3rd disturbance would make its way into the region, bringing more rainy conditions. From July 14th-20th a stalled cold front produced a variety of showers and weak thunderstorms from Pittsburgh to Philadelphia. The rain finally vacated the state when high pressure took its place over the Great Lakes, once again bringing cooler and drier conditions by the 23rd.

Finally, a 4th cold front entered the region on July 26th bringing another wave of showers. However, this time some strong and severe thunderstorms were also present. On the 26th, 27th, and 29th multiple cities reported rainfall totals in excess of one inch. When the system entered the state on the 26th, severe storms produced damaging winds and reports of hail in Beaver and Crawford counties. On the 27th and 29th many eastern PA counties reported damaging winds and evidence of hail.

The month concluded with dry conditions and average temperatures. Overall, Pennsylvania was slightly cooler and most places were drier than normal in July 2007. Although there were hot and cold spells, the monthly average was just below normal.

Here are the weather extremes across Pennsylvania (**observations taken at 8AM EDT**) during July 2007 from the NWS Cooperative & ASOS Networks. The extremes occurred in the 24-hour period prior to the date listed.

Parameter	Location	Value	Date (8 AM EDT)	County
Highest Temperature	Williamsport	100 °F	July 10 th	Lycoming
Lowest Temperature	Coudersport	34 °F	July 2 nd	Potter
Greatest Cumulative Liquid Precipitation	Hawley	6.71"	-	Pike
Least Cumulative Liquid Precipitation	Union City	0.88"	-	Erie