**Reading 4 SW**; Berks County, PA; Lat 40.316251, Lon -75.988661, Elev 320 feet ASL

CoCoRaHS ID: PA-BR-2, Reading 3.5 SW; CWOP ID: FW1703 Observation time: 2359 EST

Observer in Charge: Jeffrey R. Stoudt

Period of Record: Precipitation/Snow - January 1983, Temperatures - June 1984

**September 2025**

DAILY DETAILS (Sundays, monthly extremes in **bold**)

TEMPERATURES

DAY MAX MIN OBS PCPN SNOW DEPTH REMARKS (all times are military EST)

1 83 52 58

2 81 55 64

3 84 57 63

4 86 60 62 **2.68** 3 rounds of T-storms 1500-2200

5 85 65 75 T Dense fog, mist (<1/4 mile) before 0700

6 85 **66** 66 0.02 Light rain late evening…

**7** 78 54 **54** 0.04 …ended well before dawn

8 77 **48** **54**

9 77 **48** 57

10 77 57 67 T Little rain around dawn

11 83 58 58

12 83 54 64

13 85 60 64

**14** 87 60 65

15 85 60 62

16 77 59 61 0.10 Few drops afternoon; brief heavy shower ~2305

17 **74** 60 66 0.03 Occasional light rain before dawn

18 87 62 61

19 **89** 57 63

20 81 58 60

**21** 77 56 60

22 78 59 62

23 86 61 67 0.60 T-showers on prowl 1500-2000, 1-2” few miles SW

24 77 64 **70** 0.05 Dense fog daybreak; sprinkles, shower PM

25 80 **66** 66 0.15 Few showers during daylight

26 84 62 62

27 80 59 69 T Few drops late afternoon

**28** 87 63 64

29 78 61 64

30 72 61 67

31 -- -- --

SUM 2582 1761 3.67 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 70.2 (+2.9)

Average Maximum Temperature (Dep): 81.7 (+3.9)

Average Minimum Temperature (Dep): 58.7 (+1.8)

Extreme Daily High Max Temp (Dep): 89 (-1) on 19th (record 97 on 07 Sep 2023)+

Extreme Daily High Minimum Temp: 66 on 6th, 25th (record 76 on 09 Sep 2016)+

Extreme Daily Low Min Temp (Dep): 48 (+6) on 8, 9th (record 35 on 29 Sep 2000)

Extreme Daily Low Maximum Temp: 74 on 17th (record 53 on 28 Sep 1984)

Heating Degree Days (Season): 4 (9)

Cooling Degree Days (Season): 170 (1270)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 3.67 (-1.59)

Total Annual Pcpn through Month: 38.46 (-1.79)

Greatest Calendar Day Pcpn: 2.68 on 4th (record 5.95 on 19 Sep 1999)

Greatest Floating 24-Hour Pcpn: 2.68 on 4th-4th (rec 6.83 on 30-01 S-O 2010)

Total Monthly Snowfall (Dep): 0.0 (-0.0)

Total Season Snowfall (Dep): 0.0 (-0.0)

Greatest Calendar Day Snowfall: 0.0 on (record 0.0 on 00 Sep 0000)

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 0.0 on 00-00 Sep 0000)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 2 (-1)

Highest Wind Gust (MPH): 20 on 4th

Maximum Barometric Pressure: 30.33 on 8th

Minimum Barometric Pressure: 29.70 on 25th

HIGHLIGHTS

Some coolness of late August carried into early September such that the first ten days averaged cooler than normal, but not by much. Nevertheless, two lows of 48 occurred on 8th and 9th and eventually became the coolest of the month and also set the oddity of August’s coolest of 47 being cooler than September’s coolest. The 4 heating degree days (HDD) generated by those two cool lows became the only 4 HDD for all of September, a new least HDD for September, previously 7 HDD during 2010, and was less than August’s 5 HDD, another oddity. September trended warmer during the remaining 20 days, quite uncharacteristic of a typical September, such that the month finished 2.9 degrees warmer than normal with a final average of 70.2. This average was only 2.1 degrees cooler than August’s cool 72.3 average. Typically, September averages 7 degrees cooler. While September 2025 was moderately warmer than normal, extremes of chill or warmth were absent. Those lows of 48 were well above the typical September coolest of 42. The coolest high of 74 on 17th was at least 10 above the typical coolest high. On the warm side, no 90s occurred, warmest 89 on 19th, as a majority of Septembers boasted one or few days that heat to at least 90. And the warmest lows of 66 on 6th and 25th were a few below of typical. A majority of fair and tranquil days was conducive to the high temperature anomaly, +3.9/81.7, to be greater than the low temperature anomaly of +1.8/58.7. September 2024 averaged 68.5 with extremes of 46/90. Officially for Reading PA (RDG), the average temperature was the same as Reading 4 SW at 70.2 with extremes of 50/88.

September total rainfall of 3.67” was moderately below the 1991-2020 30-year average of 5.26”. Of that, thunderstorm downpours dumped 2.68” late day of the 4th. A late-day thunderstorm on the 23rd delivered 0.60”. The remaining 0.39” came as paltry amounts on nine other days. Thunderstorms prowled only during the aforementioned two days. The downpours on the 4th tracked from SW to NE across Berks County, including the greater Reading area. Downpours on the 23rd tracked also SW to NE but a few miles SE of those on the 4th. As a result, the NW third of Berks and the far SE received monthly totals of only 1 to 2 inches. In between, September totals ranged from 2 to slightly over 4 inches, including 2.90” at RDG. Even those greatest amounts were slightly below normal for September. September 2024 brought only 1.38” to Reading SW.

RANKINGS AND EXTREMES FOR THIS MONTH (SEPTEMBER)

Avg Temp 70.2 – 5th warmest of 42 (63.7 in 2000 to 71.2 in 2005)

Precip 3.67 – 17th driest of 43 (0.83 in 2005 to 13.56 in 1999)

Snowfall 0.0 – Snow was never observed here during September.

Rain year, October 2024 through September 2025, brought total precipitation of 45.22 inches, which is 7.57 below the 1991-2020 30-year average of 52.79. October was extremely deficient with 0.09. November (2.23), January (1.09), and August (1.83) were quite deficient. Substantial excesses for May (9.19) and June (7.26) prevented this rain year’s total from being very low.