**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

**October 2022**

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

TEMPERATURES

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

1. 60 52 58 0.78 Periods of rain/drizzle, mostly before 0700

**2** 59 51 51 0.46 Periods of rain/drizzle

3 53 47 47 0.45 Periods of rain/drizzle

4 **51** 46 51 **1.59** Frequent rain, heavy at times forenoon & midday

5 63 51 51 0.11 Few leftover showers AM, early PM

6 **77** 44 57

7 **77** 49 55

8 60 40 40

**9** 64 35 42 Scattered light frost

10 70 38 46

11 74 41 50

12 71 43 **63**

13 67 55 55 0.45 Occasional rain, mostly late AM

14 69 44 44 0.03 Light rain wee hours

15 73 39 50

**16** 67 44 52

17 67 45 45 0.04 Shower 1230 to 1240, mod heavy at 1237

18 55 36 39

19 55 36 44 Yes, same max/min temperatures as previous day

20 62 37 45

21 65 33 39 Moderate frost, non-killing

22 72 34 45 Light frost, non-killing

**23** 65 41 56 0.30 Rain dusk, post-dusk and toward midnight

24 61 54 59 0.22 Periods of rain/drizzle; brief fog

25 68 **59** **63** 0.08 Ditto but mostly before 0700

26 69 56 56 0.23 Occasional rain AM; Sprinkles mid afternoon

27 64 45 45

28 60 36 37

29 63 **31** **34**  First fall freeze, killing frost

**30** 64 **31** 48

31 64 42 59 0.16 Lgt rain briefly at times PM; mod rain midnight

SUM 2006 1333 4.90 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 53.9 (-1.6)

Average Maximum Temperature (Dep): 64.7 (-1.0)

Average Minimum Temperature (Dep): 43.0 (-2.3)

Extreme Daily High Max Temp (Dep): 77 (-5) on 6th,7th (record 94 on 02 Oct 2019)

Extreme Daily High Minimum Temp: 59 on 24th (record 74 on 08 Oct 2017)

Extreme Daily Low Min Temp (Dep): 31 (-0) on 29,30th (record 22 on 31 Oct 2000)

Extreme Daily Low Maximum Temp: 51 on 4th (record 38 on 30 Oct 2003)

Heating Degree Days (Season): 336 (382)

Cooling Degree Days (Season): 0 (1311)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 4.90 (+0.17)

Total Annual Pcpn through Month: 39.52 (-6.46)

Greatest Calendar Day Pcpn: 1.59 on 4th (record 7.24 on 08 Oct 2005)

Greatest Floating 24-Hour Pcpn: 1.70 on 3rd-4th (rec 7.83 on 07-08 Oct 2005)

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

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

Greatest Calendar Day Snowfall: 0.0 on (record 5.5 on 29 Oct 2011)

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 5.5 on 29-29 Oct 2011)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 0 (-1)

Highest Wind Gust (MPH): 20 on 20th

Maximum Barometric Pressure: 30.52 on 29th

Minimum Barometric Pressure: 29.57 on 17th

HIGHLIGHTS

October 2022 featured rather long stretches of both gloomy and bright (by day) weather. The month began gloomy with five days of rain which totaled 3.39”, and included 1.70” within 24 hours of which 1.59” fell on the 4th. Very cool daily high temperatures for early October accompanied the gloom. The high of 51 on the 4th tied with 1998 for the coolest high temperature for so early in fall. Another long spell of gloom occurred from the 23rd through 26th with 0.83” of rain. But temperatures were mild, including a low of 59 on the 25th. The great majority of days in between, except for two brief periods of inclement weather, brought clear to partly cloudy skies. Clear and calm conditions of some nights allowed strong nocturnal cooling and some early frosts. These frosts were light and non-killing at Reading 4 SW. However, scattered freezes or killing frosts occurred at normally cooler places of Berks County. These several more cool days reinforced the cool regime of this October. In contrast, some warm weather during this intra-month period only partly offset the dominating chill and included the month’s warmest of 77 on both the 6th and 7th. However, these marked the lowest October monthly maximum temperature since 2003 when the highest was also 77. And this was the first October which failed to reach 80 since a max of 79 during October 2015. The first freeze and killing frost eventually came at daybreak of the 29th with a low of 31, only a few days later than average, and then was repeated on the 30th. Finally, Halloween night was mild with temperatures around 60 with a few sprinkles early which hardly scared trick-or-treaters, ahead of moderate rain during the final hour of this October. The final average temperature of 53.9 (-1.6) marked the coolest October since 2008 which averaged 53.7 and 11th coolest overall. The final precipitation of 4.90” (+0.17) was only high-end normal despite the strong beginning.

Last October (2021) was much warmer at 61.3 with no temperature below 40 and not so wet with 3.26” of rain. Officially for Reading PA (RDG), temperatures averaged a similar 53.8 and rainfall totaled 3.92”. The great majority of October rainfall totals in Berks County fell within the range of 4 to 6 inches. A few places in eastern and northeastern Berks received over 6 inches of rain while scattered locations got less than 4.

RANKINGS AND EXTREMES FOR THIS MONTH (OCTOBER)

Avg Temp 53.9 – 11th coolest of 39 (49.7 in 1987 to 62.5 in 2007)

Precip 4.90 – 16th wettest of 40 (0.83 in 2001 to 12.83 in 2005)

Snowfall 0.0 – Least (37-way) of 40 (0.0 in 37 years to 5.5 in 2011)