**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

**November 2023**

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

 TEMPERATURES

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

1. 50 30 30

 2 51 26 30

 3 60 28 36

 4 62 32 48

 **5** 69 41 41

 6 62 36 53

 7 **71 50** 52

8 55 39 42

 9 55 41 52 T Sprinkles forenoon

10 52 37 37 T Sprinkles at times 0705 to noon

11 58 30 42

**12** 50 28 28

13 52 25 33

14 58 31 32

15 58 27 45

16 68 32 39

17 67 36 **60** 0.01 Light rain around 2100

18 60 32 36 0.01 Light rain, drizzle at times till dawn

**19** 57 29 37

20 49 27 30

21 50 28 50 **1.69** Little rain late AM, steady PM, tapered…

22 54 48 49 0.23 …soon after midnight; feeble traces daylight

23 54 38 38 Fair weather for Thanksgiving

24 54 32 32

25 42 26 28

**26** 47 28 39 0.78 Lgt-mod rain 1300-2200; patches of fog late eve

27 48 35 36 T Little drizzle dawn; patchy ground fog daybreak

28 38 27 27 0.01 **0.1** Snow shower dawn to sunrise then quick melt

29 36 22 35

30 55 23 35

31 -- -- --

SUM 1652 963 2.73 0.1 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 43.6 (-1.2)

Average Maximum Temperature (Dep): 55.1 (+1.0)

Average Minimum Temperature (Dep): 32.1 (-3.5)

Extreme Daily High Max Temp (Dep): 71 (-1) on 7th (record 81 on 03 Nov 2003)

Extreme Daily High Minimum Temp: 50 on 7th (record 67 on 06 Nov 2022)

Extreme Daily Low Min Temp (Dep): 22 (+1) on 29th (record 14 on 23 Nov 2018)

Extreme Daily Low Maximum Temp: 36 on 29th (record 30 on 22 Nov 2018)+

Heating Degree Days (Season): 637 (923)

Cooling Degree Days (Season): 0 (1142)

+ Most recent of more than one occurrence

 -- more --

Total Monthly Precipitation (Dep): 2.73 (-0.83)

Total Annual Pcpn through Month: 45.31 (-3.23)

Greatest Calendar Day Pcpn: 1.69 on 21st (record 2.91 on 08 Nov 1996)

Greatest Floating 24-Hour Pcpn: 1.92 on 21-22nd (rec 2.98 on 08-09 Nov 1996)

Total Monthly Snowfall (Dep): 0.1 (-0.6)

Total Season Snowfall (Dep): 0.1 (-0.6)

Greatest Calendar Day Snowfall: 0.1 on 28th (record 5.6 on 15 Nov 2018)

Greatest Floating 24-Hour Snowfl: 0.1 on 28th-28th (rec 5.6 on 15-16 Nov 2018)

Maximum Depth of Snow/Ice: T on 28th

Days with Hail: 0

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

Highest Wind Gust (MPH): 25 on 29th

Maximum Barometric Pressure: 30.54 on 2nd, 12th

Minimum Barometric Pressure: 29.71 on 18th

HIGHLIGHTS

Fair and tranquil weather dominated this November. This dominance allowed stronger than average nocturnal cooling followed by robust daytime temperature rebounds on many days as air masses were largely not intrinsically cold. Days which were slightly or moderately warmer than average nearly balanced those which were cooler through the Thanksgiving holiday. Then the first blustery cold incursion of this cold season near the end of the month tipped the balance convincingly to the cooler side, including the months coldest of 22 on the 29th along with the coolest high temperature of 36 that same day, and resulted in a final average temperature of 43.6 (-1.2). Much earlier, the month’s warmest date high and low of 71/50 both occurred on the 7th. The fair and tranquil majority resulted in a rather warm average daily high temperature of 55.1 (+1.0) while the daily lows averaged quite cool at 32.1 (-3.5) which was bolstered by 20 freezing daily lows. The November average during last 40 years is 11, and only November 1995 had more at 22. November 1996 also had 20. January earlier this year had 13; February also 20. Besides, January’s coolest was only 25 and its daily lows averaged 33.7. But January 2023 became new warmest January of 39 at Reading 4 SW with average of 40.8. November 2022 averaged much warmer at 47.8 and contained nine days with highs in the 70s, highest 78, first half. But second half was just as cold as this November’s second half and included lowest of 22. Officially for Reading PA (RDG), the average temperature of 43.7 included extremes of 21/70.

During this mainly fair-weather month, inclement weather days were few. Only six days brought measurable precipitation. Only November 1998 had less at four. A soaking rain of 1.92” within 14 hours, PM of 21st into early AM of 22nd, ended a five-week period of very meager rainfall. Then a follow-up rainfall of 0.78” on 26th when added accounted for 2.70 of the final month’s total of 2.73” (-0.83). These two rainy episodes were very beneficial. November 2022 was slightly wetter at 3.13”. That blustery late-month cold incursion instigated the first major lake-effect outbreak this fall. And a break-away snow shower blazed a narrow path from Lake Erie all the way to Philadelphia, including much of Berks County during dawn of the 28th. It deposited trace to a quarter inch on the County (pavements only wet), including a strong 0.1” at Reading 4 SW, the first snowflakes of this new snow season. Coating mostly melted within two hours after snow ended. November precipitation ranged mainly between 2.4 and 3.2 inches, including 2.58” at RDG.

RANKINGS AND EXTREMES FOR THIS MONTH (NOVEMBER)

Avg Temp 43.6 – 16th coolest of 40 (38.5 in 1995 to 49.6 in 2015)

Precip 2.73 – 13th driest of 41 (1.17 in 2012 to 9.50 in 2018)

Snowfall 0.1 – 13th most (2-way) of 41 (0.0 in 10 years to 5.6 in 2018)

Statistical (meteorological) autumn (months SON) averaged 56.8 (+0.9) in temperature with 13.64” (+0.09) of precipitation. Temperatures ranged from 97 on 7 September to 22 on 29 November. Wet September of 8.81” was nearly offset by dry October and November. Rainiest 24 hours of 2.83” occurred on 9-10 September. The first snowflakes arrived at dawn of 28 November as a brief coating (0.1”) from a stray lake-effect snow shower.