**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 2023**

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

TEMPERATURES

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

1. 82 54 60

2 83 56 59

3 85 55 62

4 **86** 57 60

5 82 55 **67**

6 78 **66** 66 0.30 Few showers before dawn to forenoon

7 67 49 49 0.46 Rain daybreak till early afternoon

**8** 62 47 47

9 64 45 49 Sprinkle immediate S ~1730

10 58 43 51 Shower nearby N 09 hour

11 71 43 46

12 73 42 51

13 67 45 45

14 **51** 45 49 **1.09** Rain, drizzle from dawn till midnight

**15** 61 43 43 T Feeble sprinkles early afternoon

16 63 41 52

17 65 44 44 0.01 Light rain wee hours

18 65 44 44 Yes, same max/min/obs temps as previous day

19 68 39 59

20 71 53 57 0.06 Light rain at times after dusk till midnight…

21 65 52 52 0.01 …then sprinkles till dawn; mid-afternoon

**22** 60 48 50 T Feeble sprinkles forenoon

23 63 38 **38**

24 69 **35** 45 Light, non-damaging frost

25 76 40 52

26 82 47 57

27 76 54 63

28 82 56 63

**29** 63 53 53 0.04 Very infrequent light rain

30 58 49 49 0.13 Ditto; briefly foggy forenoon

31 54 39 43 T Few drops predawn

SUM 2159 1477 2.10 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 58.6 (+3.1)

Average Maximum Temperature (Dep): 69.6 (+3.9)

Average Minimum Temperature (Dep): 47.6 (+2.2)

Extreme Daily High Max Temp (Dep): 86 (+4) on 4th (record 94 on 02 Oct 2019)

Extreme Daily High Minimum Temp: 66 on 6th (record 74 on 08 Oct 2017)

Extreme Daily Low Min Temp (Dep): 35 (+4) on 24th (record 22 on 31 Oct 2000)

Extreme Daily Low Maximum Temp: 51 on 14th (record 38 on 30 Oct 2003)

Heating Degree Days (Season): 225 (274)

Cooling Degree Days (Season): 35 (1142)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 2.10 (+2.63)

Total Annual Pcpn through Month: 42.58 (-3.40)

Greatest Calendar Day Pcpn: 1.09 on 14th (record 7.24 on 08 Oct 2005)

Greatest Floating 24-Hour Pcpn: 1.09 on 14th-14th(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): 22 on 22nd

Maximum Barometric Pressure: 30.42 on 24th

Minimum Barometric Pressure: 29.38 on 21st

HIGHLIGHTS

Summery high temperatures developed as this October began with five consecutive highs in the 80s, including the month’s highest of 86 on the 4th. Corresponding lows were not unusually warm as the nights were mainly clear and tranquil. Cloudiness and showers on the 6th kept morning temperatures balmy with a low of 66, the warmest daily low of the month. However, same moisture limited the temperature to 78 by day. Showers accompanied a cool front passage on the 7th. Then said front introduced cool weather that dominated next 17 days and offset much of the early warmth. This long cool spell contained a rain-cooled high of 51 on the 14th and the month’s lowest of 35 with non-damaging frost on the 24th. Temperatures rebounded robustly to 69 that same day and then trended much higher the next four days, which included two more 80s, both 82s on 26th and 28th. October finished seasonably cool and with a final average of 58.6 (+3.1). The dominance of fair weather with the long nights resulted in the average of the daily lows to be less anomalous (+2.2) than the highs (+3.9). October 2022 was much cooler with a final average of 53.9 which included no day warmer than 77 and two freezing lows, both 31, near the end of the month. Officially for Reading (RDG), the average was the same at 58.6 and included a new record high of 81 on the 26th.

Rain was rather scarce this October and totaled only 2.10” (-2.63). All-day light to moderate rain on the 14th accounted for slightly over half of it, 1.09. The remaining 1.01 was widely scattered over seven other days. A thunderstorm over NW Berks County on the 7th was beyond earshot from Reading 4 SW. October rainfall totals in Berks County ranged mainly from 1.5 to 3.5 inches and were mostly in the upper half of this range and greatest over northern Berks. The 2.10 at Reading 4 SW was one of the lower totals, and the 1.58 total at RDG was very near the bottom of the pack. October 2022 at Reading 4 SW was much wetter with a total of 4.90” of rain and included long stretches of wet weather. Really strong winds were absent this October, greatest 22 mph on 22nd, but 35 mph at RDG on the 21st, which was the day of the lowest adjusted-to-sea-level pressure of 29.38 in\*Hg. The highest pressure of 30.42 followed shortly thereafter on the 24th and coincided with the month’s coolest temperature of 35.

RANKINGS AND EXTREMES FOR THIS MONTH (OCTOBER)

Avg Temp 58.6 – 6th warmest of 40 (49.7 in 1987 to 62.5 in 2007)

Precip 2.10 – 5th driest of 41 (0.83 in 2001 to 12.83 in 2005)

Snowfall 0.0 – Least (38-way) of 41 (0.0 in 38 years to 5.5 in 2011)