**Reading 4 SW**; Berks County, PA; Lat 40.316251, Lon -75.988661, Elev 320 ft 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 2019**

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

TEMPERATURES

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

1 86 63 **74**

2 **94 67** 70 0.01 Record heat! Light rain after 2330

3 70 57 58 0.54 Frequent drizzle with periods of rain; fog

4 68 44 45

5 63 38 52

**6** 68 51 68 0.16 Drizzle morning; light to moderate rain aft

7 74 57 57 0.97 Few sprinkles daylight; steady rain evening

8 67 53 57 0.03 Leftover light rain off/on till 0700

9 66 52 55 0.10 Rain at times predawn to 0700

10 76 51 51

11 72 43 49

12 65 44 50 T Few sprinkles afternoon

**13** 67 39 58

14 73 47 47

15 67 41 51

16 61 48 52 **1.75** Rain light forenoon; hvy at times aft; end eve

17 58 50 50 T Feeble drops late morning

18 61 40 **40**

19 63 **34** 47

**20** **54** 45 53 0.42 Lgt rain steady 0700 thru daylight, off/on eve

21 69 51 57

22 63 56 57 0.78 Periods of rain, steady aft, heavy at times

23 65 41 41

24 69 37 44

25 67 41 55

26 65 44 54 0.02 Sprinkles, light rain at times PM

**27** 75 54 55 1.69 Rain AM, heaviest forenoon; clearing early PM

28 69 47 57

29 63 53 56

30 64 56 61 0.35 Gloomy all day but no rain till 1830

31 77 52 52 1.46 Periods of rain, least daylight, hvy at times…

SUM 2119 1496 8.28 0.0 0 …eve; a little thunder

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 58.3 (+3.7)

Average Maximum Temperature (Dep): 68.4 (+3.2)

Average Minimum Temperature (Dep): 48.3 (+4.2)

Extreme Daily High Max Temp (Dep): 94 (+13) on 2nd (record 91 on 07 Oct 2007)#

Extreme Daily High Minimum Temp: 67 on 2nd (record 74 on 08 Oct 2017)

Extreme Daily Low Min Temp (Dep): 34 (+3) on 19th (record 22 on 31 Oct 2000)

Extreme Daily Low Maximum Temp: 54 on 20th (record 38 on 30 Oct 2003)

Heating Degree Days (Season): 226 (241)

Cooling Degree Days (Season): 27 (1247)

+ Most recent of more than one occurrence

# Previous record

-- more --

Total Monthly Precipitation (Dep): 8.28 (+3.88)

Total Annual Pcpn through Month: 59.20 (+15.61)

Greatest Calendar Day Pcpn: 1.75 on 16th (record 7.24 08 Oct 2005) Greatest Floating 24-Hour Pcpn: 1.75 on 16th-16th (rec 7.83 07-08 Oct 2005)

Total Monthly Snowfall (Dep): 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

Days with Hail: 0

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

Highest Wind Gust (MPH): 29 on 31st

Maximum Barometric Pressure: 30.48 on 5th

Minimum Barometric Pressure: 29.42 on 17th

HIGHLIGHTS

October 2019 at Reading 4 SW began as “Hotober” with summery high temperatures of 86 and 94 on the first two days. That 94 surpassed the 91 of 7 October 2007 as the hottest October temperature in at least 36 years at Reading 4 SW. It tied the official Reading (RDG) October high of 94 on 5 October 1941. RDG peaked at 93 on the 2nd this year. The heat ended abruptly overnight so that afternoon of the 3rd was only near 60. Temperature would not warm to 80 again. Then mainly cool and a few mild days with modest departures from normal continued till the last five days of the month which ran 8 to 15 degrees above normal, culminating in a surge to 77 during early evening of the 31st. This was a treat for trick-or-treat activity. However, the balmy breezes came as a trick as their gustiness might have wreaked havoc with some costumes. A squall line of wind-driven torrential rain tarried just long enough for most kids to complete their rounds. The early heat and late-month warming were keys to finish at an average temperature of 58.3 (+3.7), fifth warmest at Reading 4 SW, and also 58.3 at RDG. Only two days failed to reach 60, lowest high 53; and the lowest for the month was 34 with light frost on the 19th. October last year (2018) finished at 57.4 but contained six days which warmed to at least 80, all in the first ten days of which the highest was 84. October 2017 was one of the warmer tenth months at 60.8.

After six weeks of infrequent rain, October returned to the wet pattern which had prevailed the last year and a half by easing into that wetness during the first half, which delivered only 1.81 of the 8.28 month total. Then the second half began immediately with heavy rain, 1.75 on the 16th, all except a pittance during the PM. This rainstorm and two others of nearly equal magnitude, 1.71 on 26th-27th and 1.81 on 30th-31st, were the key contributors to the 8.28 (+3.88) whole month total, which edged past 8.20 from 1995 for fourth wettest October at Reading 4 SW. Despite all that rain, the only thunder during October, and only a little, rumbled mid evening of the 31st and added to the spookiness of Halloween night. October 2018 brought only 2.77, which became the “drought” of 2018. October rainfall totals within Berks County ranged mainly between 7.00 and 10.00 but as great as 10.40 at Landis Store in District Township. The official total for Reading (RDG) was one of the least at 6.83.

RANKINGS AND EXTREMES FOR THIS MONTH (OCTOBER)

Avg Temp 58.3 – 5th warmest of 36 (49.7 in 1987 to 62.5 in 2007)

Precip 8.28 – 4th wettest of 37 (0.83 in 2001 to 12.83 in 2005)

Snowfall 0.0 – Least (34-way) of 37 (0.0 in 34 years to 5.5 2011)