**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 2021**

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

 TEMPERATURES

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

1. 60 **40** 40

 2 50 35 35 0.01 Light rain, more off than on, during daylight

 3 53 30 38

 4 51 28 30

 5 55 27 30

 6 56 26 31

 **7** 57 27 35

8 69 32 41

 9 71 37 50

10 68 39 39

11 63 38 **57**

12 63 39 39 **1.24** Rain 0300 to 1000

13 48 37 39 0.17 Light rain late morning into early afternoon

**14** 47 30 39 0.05 Light rain 1900 to 2030

15 48 36 38 0.01 Light rain shower before dawn

16 50 28 31

17 53 29 38

18 **72** 35 45 0.15 Foggy 0800 hour; rain 1650 to 2200

19 47 33 33

20 48 26 34

**21** 55 34 49 T Sprinkles dusk and evening

22 50 29 **29** 0.14 Light rain before dawn

23 43 26 30

24 47 **25** 30

25 56 29 46 Seasonable Thanksgiving weather

26 47 37 37 0.03 Light rain at times till dawn

27 41 31 35 T T Feeble wet flakes at 2342, first of season

**28** 41 32 38 0.01 T Light mixed precipitation before dawn

29 44 28 **29**

30 **40** 29 30 0.01 T Light wet snow 08-13 hours; melted upon landing

31 -- -- --

SUM 1593 952 1.82 T 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 42.4 (-2.4)

Average Maximum Temperature (Dep): 53.1 (-1.0)

Average Minimum Temperature (Dep): 31.7 (-3.9)

Extreme Daily High Max Temp (Dep): 72 (-0) on 18th (record 81 on 03 Nov 2003)

Extreme Daily High Minimum Temp: 40 on 1st (record 64 on 11 Nov 2020)+

Extreme Daily Low Min Temp (Dep): 25 (+4) on 19th (record 14 on 23 Nov 2018)

Extreme Daily Low Maximum Temp: 40 on 30th (record 30 on 22 Nov 2018)+

Heating Degree Days (Season): 670 (827)

Cooling Degree Days (Season): 0 (1302)

+ Most recent of more than one occurrence

 -- more --

Total Monthly Precipitation (Dep): 1.82 (-1.74)

Total Annual Pcpn through Month: 49.79 (+1.25)

Greatest Calendar Day Pcpn: 1.24 on 12th (record 2.91 on 08 Nov 1996)

Greatest Floating 24-Hour Pcpn: 1.24 on 12-12th (rec 2.98 on 08-09 Nov 1996)

Total Monthly Snowfall (Dep): T (-0.7)

Total Season Snowfall (Dep): T (-0.7)

Greatest Calendar Day Snowfall: T on 30th+ (record 5.6 on 15 Nov 2018)

Greatest Floating 24-Hour Snowfl: T on 30-30th+ (rec 5.6 on 15-16 Nov 2018)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

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

Highest Wind Gust (MPH): 28 on 26th

Maximum Barometric Pressure: 30.60 on 20th

Minimum Barometric Pressure: 29.68 on 26th

HIGHLIGHTS

After an unusually warm October, November began with normalcy on the first, and then cooler than normal temperatures dominated the remaining 29 days. While unusual cold was absent, lowest 25 on the 24th, slight to moderate chill was persistent. Fall’s first freezing temperature of 30 came on the 3rd, and then 17 more daily lows of 32 or below followed. Warmth staged a weak comeback with daily highs above 62, including 71 on the 9th, from the 8th to 12th inclusive. But the corresponding lows were all below 40. This November’s highest of 72 came on the 18th as a warm spike which lasted only several hours in the midst of a long stretch of subnormal temperatures. Two days which warm to at least 70 is typical for November. However, the warmest daily low of only 40 (on the 1st) is very unusual as most Novembers contain at least a few days with lows 50 or above. After that monthly low of 25, Thanksgiving Day (25th) was seasonable with low/high of 29/56. The final average temperature of 42.4 (-2.4) matched the Reading PA (RDG) official average of 42.4. The daily lows (31.7) contributed much more (-3.9) to the anomaly than the daily highs (53.1/-1.0). Last November (2020) was much warmer at 49.5 and included a highest of 78 and a balmy daily low of 64. However, Novembers of 2019 (40.8) and 2018 (41.5) were even cooler than this year’s.

Considering inclement weather, this November was docile. One day, the 26th, was windy with peak gust of 28 mph (41 mph at RDG). And there were a few moderately windy days, less than usual for November. Precipitation occupied a smaller fraction of the month than usual, most of it light rain. However, a moderately heavy rainfall of 1.24” soaked the area during the morning of the 12th. That rain was very beneficial and accounted for 68 percent of the whole month’s total of 1.82”, which is slightly more than half the normal of 3.56”. The little non-accumulating wet snow observed near month end is typical. Besides, this November was free of thunder and even squally showers. November 2020 precipitation was exactly on the 1991-2020 normal of 3.56” with not even a trace of snow. Deficient precipitation was widespread throughout Berks County with month totals mostly between 1.0 and 2.0 inches, including 1.56” officially at RDG. Scattered locations in northern Berks County had totals in the range of 2.0 to 2.5 inches.

RANKINGS AND EXTREMES FOR THIS MONTH (NOVEMBER)

Avg Temp 42.4 – 8th coolest of 38 (38.5 in 1995 to 49.6 in 2015)

Precip 1.82 – 6th driest of 39 (1.17 in 2012 to 9.50 in 2018)

Snowfall T – 11th least (15-way) of 39 (0.0 in 10 years to 5.6 in 2018)

Statistical (meteorological) autumn (months SON) averaged 57.6 (+1.7) in temperature with 14.07” (+0.52) of precipitation and traces of snow. Temperatures ranged modestly from 89 on 15 September to 25 on 24 November. Rainiest 24 hours of 5.56” occurred on 1 September from tropical rainstorm Ida.