**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

**April 2020**

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

TEMPERATURES

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

1 56 40 40

2 59 37 50

3 56 46 48 T Few sprinkles

4 58 47 54 T Mist around 1300

**5** 69 47 55 0.01 Few drops ~1330; shower ~2240, ~2355

6 67 43 43 T Few drops before 0005

7 70 40 **58**

8 **74** 50 50 0.57 TSTM complex before dawn; mid-aft sprinkle

9 65 41 41 0.15 sm. hail Light showers ~dawn; midday TSTM 1115-1130

10 **49** 38 39 T Sprinkles in area midday, afternoon

11 57 35 36

**12** 66 32 **58** 0.13 EASTER Few late-day sprinkles; rain after 2200

13 72 49 49 **2.80** Rain heavy at times till mid aft; weak TSTM

14 57 41 41 0.04 Light rain, drizzle after 2100… ~1400^

15 53 37 44 0.03 …ended long before dawn

16 **49** 31 **31** T Sprinkle 02 hour; low virga at times during day

17 **49** **28** 41 0.06 Occasional light rain PM, trace after 2130

18 51 32 32 0.09 Occasional light rain till shortly after 0700

**19** 62 29 51

20 60 40 48

21 59 38 38 0.17 sm. hail Showers forenoon to mid-aft, heavy ~1135

22 54 34 47

23 59 39 45 0.33 Rain after 1500; mostly after dusk

24 53 43 47 0.40 Freq light rain till 0900, ocnl till 1600

25 65 40 50 T Sprinkles late evening

**26** 50 42 42 1.13 Freq rain, drizzle to mod heavy

27 56 37 37 0.02 Ocnl drizzle, sprinkle, shower before 1500

28 66 35 46

29 71 46 55 T Sprinkle predawn; mist mid afternoon

30 69 **55** 57 0.86 Rain midday on, mostly 1600-1900

31 -- -- --

SUM 1801 1192 6.79 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 49.9 (+3.0)

Average Maximum Temperature (Dep): 60.0 (-4.3)

Average Minimum Temperature (Dep): 39.7 (-1.8)

Extreme Daily High Max Temp (Dep): 76 (-11) on 8th (record 94 on 17 Apr 2002)

Extreme Daily High Minimum Temp: 55 on 30th (record 70 on 26 Apr 2011)

Extreme Daily Low Min Temp (Dep): 28 (-0) on 17th (record 23 on 06 Apr 2016)+

Extreme Daily Low Maximum Temp: 49 on 3 days (record 35 on 08 Apr 2003)

Heating Degree Days (Season): 448 (4443)

Cooling Degree Days (Season): 0 (0)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 6.79 (+2.77)

Total Annual Pcpn through Month: 17.42 (+2.14)

Greatest Calendar Day Pcpn: 2.80 on 13th (record 2.95 30 Apr 2014)

Greatest Floating 24-Hour Pcpn: 2.93 on 12th-13th (rec 3.12 29-30 Apr 2014)

Total Monthly Snowfall (Dep): 0.0 (-0.5)

Total Season Snowfall (Dep): 3.6 (-25.9)

Greatest Calendar Day Snowfall: 0.0 on (record 5.1 on 07 Apr 2003)

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 5.1 on 07-07 Apr 2003)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 2

Days with Thunder (Dep): 3 (-0)

Highest Wind Gust (MPH): 45 on 9th

Maximum Barometric Pressure: 30.36 on 17th

Minimum Barometric Pressure: 29.22 on 9th

HIGHLIGHTS

Above normal temperatures that dominated the first three months of 2020 by 5.3 degrees per month broke down in early April and then reversed by the latter half of April. A running average close to 52.5 at the midpoint slid to 49.9 (-3.0) at month ending. Therefore, this April’s cooling trend resembled a 30-day period in mid fall. April’s final average of 49.9 was only 2.6 above the March average of 47.3. The average net rise from March to April is 10.9 degrees. Some of March’s mildness carried into early April with no freezing temperature till Easter dawn, the 12th, and the monthly high was 74 on the 8th, which was only one of three days which warmed to 70. Easter Sunday, despite the early freeze and rain at night, became a nice day overall with a little sunshine and a rebound to 66. That was the first of five freezing lows, including the month low of 28, which would not be unusual in itself for April, providing they would occur early in the month. But these all occurred on or after the 12th, including 28 on the 17th, a week after the average date of spring’s last freeze. Normally, about ten days in April warm to at least 70, including one or few to at least 80. During 36 years of temperature record, the average April monthly high is 85. And this April’s high of 74 slipped under the previous coolest high of 75 from 1997. Official Reading (RDG) April temperatures were similar, also with extremes of 28/74 but with a slightly cooler monthly average of 49.5. At Reading 4 SW, last April (2019) was much warmer, averaging 57.1, despite rather cool extremes of 27/80.

Rain was frequent throughout the month with 23 days with some, including 15 with measurable amounts, running the gamut from small to hefty, keyed by 2.80 on the 13th and 2.93 within 18 hours beginning late evening of the 12th. Both fell narrowly short of the April record greatest calendar day and 24-hour precipitation. This rainstorm resulted when moist tropical air surged ahead of a strong cold front and was key toward the final total of 6.79 (+2.77), fifth wettest April of 38. While no snow occurred at Reading 4 SW or officially at RDG, flurries were spotted at numerous locations in Berks County above 400 feet ASL on the 10th or 16th. April 2019 had normal rainfall of 4.08. Over 50 monthly rainfall totals in Berks County ranged mainly from 4.5 to 7.0 inches, including 5.16 at RDG. Besides, this April was quite windy on several days such that isolated moderate damage occurred within a couple of miles on the 9th and 30th plus minor damage on few other days. Reading 4 SW, in a rather wind-sheltered neighborhood, registered peak gusts of 45 (59 RDG) and 35 (57 RDG) mph on the 9th and 30th respectively, and gusts of 35 and 32 mph on the 21st and 10th respectively.

RANKINGS AND EXTREMES FOR THIS MONTH (APRIL)

Avg Temp 49.9 – 4th (2-way) coolest of 36 (48.6 in 2018 to 58.4 in 2017)

Precip 6.79 – 5th wettest of 38 (0.65 in 1985 to 9.85 in 1983)

Snowfall 0.0 – Least (13-way) of 38 (0.0 in 13 years to 5.1 in 2003)