**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 2021**

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

 TEMPERATURES

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

 1 58 41 41 0.08  Light rain till 0100; sprinkles into early PM

 2 55 36 40

 **3** 53 40 41 0.14 Rain predawn till 0800; early aft’n sprinkle

 4 53 37 38

 5 63 37 48 0.13 Light rain after dusk

 6 59 47 50 0.95 Steady rain till 0800, then occasional drizzle

 7 50 46 46 **1.57** Rain dawn till 2030; TSTM pre dusk

 8 64 39 46 0.09 Showers after dusk

 9 58 42 44 0.15 Occasional rain, drizzle before 1000

**10** 52 38 40 T Few drops at times late morning, midday

11 63 31 52 T Few drops toward midnight

12 73 49 52 0.01 Light rain around 0700

13 80 49 **71**

14 **85** 48 48 T Sprinkles mid-aft’n; brief downpour NW

15 71 39 58

16 74 49 49 0.02 Sprinkles at times, mostly evening

**17** 52 33 **33** T Sprinkles early afternoon [EASTER]

18 **49** **28** 39 1.38 T Rain PM, mostly post dusk; brief sleet onset

19 51 36 41 0.23 T Rain till dawn; aft’n shower, feeble slush

20 60 37 40

21 62 40 47 T Sprinkles early afternoon

22 70 42 52

23 67 50 50 T Few drops mid-afternoon

**24** 78 47 51

25 66 47 55

26 64 **52** 52 0.06 Light rain mid-afternoon through dusk

27 55 38 38

28 59 36 39

29 65 38 47

30 70 33 44

31 -- -- --

SUM 1879 1225 4.81 T 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 51.7 (-1.4)

Average Maximum Temperature (Dep): 62.6 (-1.6)

Average Minimum Temperature (Dep): 40.8 (-1.1)

Extreme Daily High Max Temp (Dep): 85 (-0) on 14th (record 94 on 17 Apr 2002)

Extreme Daily High Minimum Temp: 52 on 26th (record 70 on 26 Apr 2011)

Extreme Daily Low Min Temp (Dep): 28 (-0) on18th (record 23 on 06 Apr 2016)+

Extreme Daily Low Maximum Temp: 49 on 18th (record 35 on 08 Apr 2003)

Heating Degree Days (Season): 391 (4466)

Cooling Degree Days (Season): 2 (2)

+ Most recent of more than one occurrence

 -- more --

Total Monthly Precipitation (Dep): 4.81 (+0.66)

Total Annual Pcpn through Month: 15.25 (-0.35)

Greatest Calendar Day Pcpn: 1.57 on 7th (record 2.95 30 Apr 2014)

Greatest Floating 24-Hour Pcpn: 1.60 on 18th-19th (rec 3.12 29-30 Apr 2014)

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

Total Season Snowfall (Dep): 18.1 (-10.2)

Greatest Calendar Day Snowfall: T on 18th, 19th (record 5.1 on 07 Apr 2003)

Greatest Floating 24-Hour Snowfl: T on 18th-19th (rec 5.1 on 07-07 Apr 2003)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 2 (-1)

Highest Wind Gust (MPH): 31 on 1st

Maximum Barometric Pressure: 30.45 on 21st

Minimum Barometric Pressure: 29.47 on 1st

HIGHLIGHTS

April 2022 contained changeable weather April often brings. Late winter-like conditions tried to hold on while mid or late spring warmth tried to gain control. With a few days remaining, the running average temperature of near normal slid to moderately below due to late-month chill. The final average temperature of 51.7 (-1.4) was cooler than last April (2021) which averaged 53.9. The official average for Reading (RDG) was similar at 51.5. While chill was more numerous than warmth, none was very anomalous. The lowest of 28 on 18th is a typical minimum for April. The only other freezing daily minimum of 31 occurred on the 11th. April’s warmest occurred in between and included two maximums in the 80s, the highest 85 on the 14th, which is a typical maximum for April. This April’s coolest coincided with Easter Sunday (17th) and the day after. Temperatures during Easter were mainly in the 40s, and blustery winds plus considerable cloudiness produced feels-like temperatures cooler than actual. Then temperature dropped to 33 by Easter midnight on the way to the month’s lowest of 28. Rain arrived only several hours later, and there was just enough cold left for a brief mix with sleet at the onset. The max of 49 on the 18th occurred as the rain approached then dropped back to near 40 the rest of the day. The rain, heavy at times, contained some embedded thunder despite the chill. Some rain spilled into the 20th, and when combined became the greatest 24-hour precipitation (1.60”) this April. This storm brought heavy wet snow to some upstate Pennsylvania counties.

A rainstorm of similar magnitude, all on the 7th, delivered 1.57”. And this came a half day after a moderate soaking of 1.08 late 5th into the 6th. These three storms already mentioned combined accounted for 4.27 of the whole month’s total precipitation of 4.81 (+0.66). A few light rainfalls brought the remaining 0.54. April 2021 was rather dry with total of 2.44. The last eleven days became very dry with the only measurable rain being a mere 0.06 on the 26th. Despite cool temperatures, persistent moderate to strong winds dried the top soils. The addition of extremely low humidity (dew point as low as teens) prompted the NWS to issue red flag warnings the last few days for an ironic ending of an April which was slightly wetter than average overall. April total precipitation throughout much of Berks County ranged rather narrowly between 4.25 and 5.25, including 4.41 at RDG. Some locations in eastern Berks had more, as much as 5.75. Additionally, this April was windy, the third consecutive windy April, but no severe winds. Most days contained peak winds of at least 20 mph. The peak at Reading 4 SW was 31 mph on the 1st. RDG peaked at 50 mph that same day.

RANKINGS AND EXTREMES FOR THIS MONTH (APRIL)

Avg Temp 51.7 – 11th coolest (5-way) of 38 (48.6 in 2018 to 58.4 in 2017)

Precip 4.81 – 15th wettest of 40 (0.65 in 1985 to 9.85 in 1983)

Snowfall T – 14th least (14-way) of 40 (0.0 in 13 years to 5.1 in 2003)