**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 2023**

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

TEMPERATURES

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

1 76 48 48 0.45  Showers, dawn to forenoon; late aft’n TSTM

**2** **53** 33 **33**

3 65 **30** 56

4 78 43 58

5 72 53 53 T Light drizzle mid-morning

6 81 53 55 0.05 Shower at 0100, few drops late aft’n

7 56 43 43

8 54 36 38

**9** 62 **30** 41 Fair weather but cool for Easter

10 68 32 46

11 77 38 66

12 85 **64** 65

13 **88** 52 63

14 **88** 52 **68**

15 78 58 58 0.11 Sprinkles mid-morning; VCTS mid-late aft’n

**16** 79 58 65 T Patchy fog/drizzle AM, mostly predawn

17 67 51 51 0.40 Showers before and during dawn

18 57 38 38

19 69 34 45

20 79 42 58

21 84 50 57 22) High non-TSTM winds, light damage, aft’n

22 78 54 56 0.32 Faint thunder ~1530; rain 1530-dusk, midnight

**23** 66 43 43 T Few more drops before dawn

24 58 35 41

25 61 36 38

26 66 38 48 T Few drops late afternoon

27 67 46 51

28 54 48 48 0.93 Light to moderate rain forenoon and afterward

29 60 48 53 0.14 Drizzle & light rain, mostly AM, early PM

**30** 58 50 51 **2.39** Rain, heavy at times; few rumbles ~dusk

31 -- -- --

SUM 2084 1336 4.89 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 57.0 (+3.9)

Average Maximum Temperature (Dep): 69.5 (+5.3)

Average Minimum Temperature (Dep): 44.5 (+2.6)

Extreme Daily High Max Temp (Dep): 88 (+3) on 13,14 (record 94 on 17 Apr 2002)

Extreme Daily High Minimum Temp: 64 on 12th (record 70 on 26 Apr 2011)

Extreme Daily Low Min Temp (Dep): 30 (+2) on 3d,9th (record 23 on 06 Apr 2016)+

Extreme Daily Low Maximum Temp: 53 on 2nd (record 35 on 08 Apr 2003)

Heating Degree Days (Season): 266 (4146)

Cooling Degree Days (Season): 32 (32)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 4.79 (+0.64)

Total Annual Pcpn through Month: 12.88 (-2.72)

Greatest Calendar Day Pcpn: 2.39 on 30th (record 2.95 30 Apr 2014)

Greatest Floating 24-Hour Pcpn: 2.39 on 30th-30th (rec 3.12 29-30 Apr 2014)

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

Total Season Snowfall (Dep): 3.7 (-24.6)

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: 0

Days with Thunder (Dep): 4 (+1)

Highest Wind Gust (MPH): 34 on 1st, 22nd

Maximum Barometric Pressure: 30.56 on 8th

Minimum Barometric Pressure: 29.16 on 30th

HIGHLIGHTS

After a thunderstorm delivered moderate rain on the first, April 2023 featured long dry periods and only small amounts when rain did fall. That is until the last three days. The running total by the 28th was only 1.33”. Then a soaking rain brought 1.07” from midday of the 28th into the 29th for a running total of 2.40”. Finally, a separate storm system doubled that during the last day to bring the final total to 4.79” (+0.64). These end-of-month soakings catapulted the running total from a would-be second driest April of 41 to slightly above normal. However, that 2.39” on 30 April fell short of 2.95” which fell on 30 April 2014. Nevertheless, these rains brought significant relief from moderate drought which had prevailed over much of Berks and parts of surrounding counties, but were not nearly enough to end the drought. Thunder occurred on four days, but no storm was really strong at Reading 4 SW. However, severe thunderstorms with damaging winds and some hail raked swaths only several miles to both the west and east of Reading 4 SW late afternoon of the 22nd. However, fair-weather high winds caused minor damage to Reading 4 SW earlier the same afternoon. NWS confirmed an EF-1 tornado spawned by the severe storm to the west, vicinity of the borough of Womelsdorf which is 11 miles west of Reading 4 SW. April 2022 brought about the same amount of rain (4.81”) but was more evenly distributed. Further, this April was entirely snow free throughout Berks County. April rainfall totals around Berks County fell mostly in the range of 3.5 to 5.5 inches, including 4.23” officially for Reading (RDG), and were clustered more densely in the upper half of that range. The barometer of 29.16 in\*Hg on 30th was very low for late April.

This April was dominated by warmer-than-normal temperatures. The final average of 57.0 was third to 57.1 in 2019 and 58.4 in 2017. The warmth was most pronounced during the mid-month period and was keyed by highs of 88 on the 13th and 14th and a low of 64 on the 12th. The high of 87 at RDG tied a rather weak record high with 1938 on the 13th. RDG’s high of 88 on the 14th missed the 1941 record of 90. Five days reached the 80s, and six more reached the upper 70s. Slightly or moderately cool weather ruled the final eight days, but it only slightly offset the prior warmth. Before then, cool spells were brief with no large departures below normal but contained lows of 30 on the 3rd and 9th. The 9th was Easter Sunday which moderated after that cold early morning to a high of 62 under mostly sunny skies. Easter 2022 (17th) was mostly cloudy, brisk, chilly with a low of 33. Overall, April 2022 was much cooler with an average of only 51.7 including extremes of 28/85. For RDG, April 2023 averaged 56.7 which placed fifth warmest of 126.

RANKINGS AND EXTREMES FOR THIS MONTH (APRIL)

Avg Temp 57.0 – 3rd warmest of 39 (48.6 in 2018 to 58.4 in 2017)

Precip 4.79 – 16th wettest of 41 (0.65 in 1985 to 9.85 in 1983)

Snowfall 0.0 – 1st least (14-way) of 41 (0.0 in 14 years to 5.1 in 2003)