**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

**August 2024**

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

TEMPERATURES

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

1 96 70 77 T Few drops mid-afternoon from shower nearby S

2 96 **76** 78 0.26 Early afternoon TSTM, brief heavy rain

3 92 72 72 0.19 TSTM late afternoon, brief heavy rain then lgt

**4** 90 71 77 T Drizzle at times between 0700 and 1100

5 94 70 **79**

6 95 70 70 **3.57** Showers/TSTMs, few downpours mid-aft’n into eve

7 75 66 66 0.05 Periods of drizzle and some light rain

8 75 66 73 1.45 Periods of rain/drizzle, heavy TSTM early eve

9 81 73 74 0.71 Several showers before sunset, most rain midday

10 86 65 68

**11** 83 61 63

12 83 58 62

13 84 58 66

14 87 61 65

15 87 60 66

16 89 61 76

17 76 69 70 0.23 Drizzle and few showers, mostly late AM

**18** 84 68 70 0.05 Areal TSTMs, downpours dodged away

19 85 65 65 0.06 Drizzle and few light showers much of PM

20 **72** 54 **54**

21 76 **49** 58 First sub-50 in August since 21 August 2000

22 80 52 57

23 84 52 60

24 86 55 66

**25** 89 61 73

26 91 65 66

27 91 61 77

28 **97** 71 77

29 87 69 69 0.01 Light rain late evening…

30 77 66 69 0.06 …into wee hours

31 83 67 72 0.01 Evening sprinkles

SUM 2651 1982 6.65 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 74.7 (+0.2)

Average Maximum Temperature (Dep): 85.5 (+0.7)

Average Minimum Temperature (Dep): 63.9 (-0.4)

Extreme Daily High Max Temp (Dep): 97 (+3) on 28th (record 101 on 2 Aug 2002)

Extreme Daily High Minimum Temp: 76 on 2nd (record 81 on 02 Aug 2006)

Extreme Daily Low Min Temp (Dep): 49 (-4) on 21st (record 42 on 30 Aug 1986)

Extreme Daily Low Maximum Temp: 72 on 20th (record 61 on 21 Aug 2007)

Heating Degree Days (Season): 4 (4)

Cooling Degree Days (Season): 311 (1263)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 6.65 (+1.99)

Total Annual Pcpn through Month: 38.55 (+3.56)

Greatest Calendar Day Pcpn: 3.57 on 6th (record 4.44 31 Aug 2018)

Greatest Floating 24-Hour Pcpn: 3.61 on 6th-7th (rec 4.47 31-01 A-S 2018)

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

Total Season Snowfall (Dep): 0.0 (-0.0)

Greatest Calendar Day Snowfall: 0.0 on (record 0.0 on 00 Aug 0000)

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 0.0 on 00-00 Aug 0000)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 5 (-1)

Highest Wind Gust (MPH): 31 on 6th

Maximum Barometric Pressure: 30.34 on 23rd

Minimum Barometric Pressure: 29.69 on 19th

HIGHLIGHTS

The trend of frequent heat that prevailed for much of June and July continued into August. The first six days all heated to at least 90 and failed to cool below 70. The hottest came on the 2nd with high/low of 96/76. A substantial excess in temperature developed by the 6th. Then heat was squelched afterward. Eventually, early autumn-like cool invaded during the 20th and 21st then slowly retreated the next three days. After a high of 72 on the 20th, a mostly cloudy and breezy day, the temperature sunk to 49 by sunrise of the 21st as sky cleared and wind calmed. That 49 was the first sub-50 temperature in August since 21 August 2000. The temperature excess turned into a slight deficiency by the 24th. After that, heat rallied with three more 90-days on the 26th to 28th and included 97 on the 28th, which surpassed the two 96s at the beginning of this August. This heat wave nudged the running average to a final 74.7 (+0.2) for a high-end normal finish. Fair weather dominated which allowed many nights to cool substantially, including seven lows below 60, only to rebound strongly during most days. This resulted in the average of the daily lows slightly subnormal and the highs average slightly above. August 2023 averaged slightly lower at 74.5 (exactly normal) with three 90s and extremes of 92/56. Officially, Reading PA (RDG) averaged 74.8.

Rainfall this August accumulated to 6.65” (+1.99). This would seem wet; however, the rain was quite unevenly distributed. Of the 6.65-inch total, 5.78 fell within four days, 6th-9th, saturated grounds and included a drenching of 3.57” from mid- afternoon into evening of the 6th. Moisture from remnant moisture of Hurricane Debby brought 0.66 during midday of the 9th. Rains of several inches from Debby tracked within a south to north swath a short distance west of the Susquehanna River main stem. Of the remainder, only 0.42 fell after the 9th. Very dry surface conditions redeveloped by month’s end. Therefore, some might remember this August as a dry month. Five days had thunder. August 2023 brought 4.24”. August totals in Berks County were mostly in the range of 4 to 7 inches with the greater concentration in the upper half of this range. RDG collected 5.19” (+0.70).

RANKINGS AND EXTREMES FOR THIS MONTH (AUGUST)

Avg Temp 74.7 – 22nd warmest of 41 (69.7 in 1992 to 78.4 in 2022)

Precip 6.65 – 10th wettest of 42 (0.22 in 1995 to 17.08 in 2018)

Snowfall 0.0 – Snow was never observed here during August.

Statistical summer (months JJA) averaged 76.97°F (+2.6) in temperature, with extremes of 102 on 22 June and 48 on 1 June. This average came infinitesimally short of 76.99 from summer 2010. This summer brought 37 days that heated to at least 90 which is much above the average of 22 and included two triple-digit days. Precipitation totaled 18.54” (+3.31), bolstered by 6.65” during August which was keyed by 3.57” on 6 August. This summer’s 18.54”, while significantly above normal, is far short of 32.01” during the same three-month aggregate of 2018.