**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 2022**

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

TEMPERATURES

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

1 **82** 66 71 0.10 Light rain, drizzle AM, mostly before dawn

2 92 70 72

3 90 64 79

4 96 70 74 0.09 TSTM nearby early eve; light rain later eve

5 91 71 73 0.08 Strong TSTM immediate SW dusk, dissipated

6 90 70 79

**7** 93 76 80

8 95 **77** **81**

9 **96** **77** 78 Heavy TSTMs nearby S then N mid afternoon

10 89 73 78

11 91 73 75

12 86 62 **62**

13 85 **55** 65

**14** 87 60 68

15 85 65 66

16 86 59 63

17 83 59 63 T T-shower sideswipe to W early afternoon

18 88 58 65

19 92 60 76

20 92 70 70

**21** 88 68 75 T Light rain very late evening

22 88 68 68 0.03 Light rain before dawn; near-miss TSTM late day

23 88 66 69 T Few minutes of spray 1745-1750

24 90 63 66

25 93 61 77

26 93 71 76 Few drops around 1200 3 miles E, not here

27 91 68 70

**28** 92 67 74 T Few drops around 1530

29 92 72 74

30 94 71 73 **0.15** Strong TSTM W late aft’n weakened upon arrival

31 86 64 71

SUM 2784 2074 0.45 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 78.4 (+3.9)

Average Maximum Temperature (Dep): 89.8 (+5.0)

Average Minimum Temperature (Dep): 66.9 (+2.6)

Extreme Daily High Max Temp (Dep): 96 (+2) on 4, 9th (record 101 on 2 Aug 2002)

Extreme Daily High Minimum Temp: 77 on 8th, 9th (record 81 on 02 Aug 2006)

Extreme Daily Low Min Temp (Dep): 55 (+2) on 13th (record 42 on 30 Aug 1986)

Extreme Daily Low Maximum Temp: 82 on 1st (record 61 on 21 Aug 2007)

Heating Degree Days (Season): 0 (0)

Cooling Degree Days (Season): 418 (1164)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 0.45 (-4.21)

Total Annual Pcpn through Month: 30.77 (-4.22)

Greatest Calendar Day Pcpn: 0.15 on 30th (record 4.44 31 Aug 2018)

Greatest Floating 24-Hour Pcpn: 0.60 on 31st-1st (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): 6 (-1)

Highest Wind Gust (MPH): 22 on 30th

Maximum Barometric Pressure: 30.22 on 6th

Minimum Barometric Pressure: 29.70 on 30th

HIGHLIGHTS

Like July, severe heat was absent but seasonable warmth to moderate heat dominated. And cool weather was in minority and not unusual. The month high and low of 96 and 55 respectively were close to usual. However, the dominance of warmth and low heat was enough to produce a new warmest August of 78.4, surpassing the 77.9 of 2016. The dearth of mostly cloudy days and little rain resulted in the daily high temperatures contributing to most of the anomalous warmth. The average of the highs, 89.8, surpassed the previous highest of 88.4 from 1995. The average of the daily lows of 66.9, while above normal, was short of the record of 68.3 from 2005. Further, the 18 days which heated to at least 90 replaced the 17 days of 1995 for the most. Even more, all 31 days warmed to at least 80, as through July, to emphasize the consistency of seasonable warmth to low heat. July 2011 and August 2016 were the only other months to accomplish that feat. Officially, Reading (RDG) averaged even slightly warmer at 78.7 for a new warmest August in 125 years, surpassed 77.9 from 1955 and 2021, and included high/low of 97/56. Last August (2021) also was very warm with an average of 77.4 at Reading 4 SW.

Rainfall this August of only 0.45” ranked second driest to August 1995, which had only 0.22. No other August in 40 years had less than 1.00 inch. Thunderstorm downpours prowled rather nearby on six different days, but none delivered more than a paltry amount to Reading 4 SW. A minority of locations within several miles of Reading 4 SW received 1 to slightly over 2 inches. August rainfall totals in Berks County reached into the range of 1 to 3 inches most places, and ranged upward to over 5 inches at spots in the far north of the County. The 0.45 at Reading 4 SW was very near the bottom. Reading (RDG) officially accrued 1.07, which was good for tenth least in 154 years. August 2021 was vastly different with a total of 8.35, which was bolstered largely by heavy tropical rains and thunderstorm downpours.

RANKINGS AND EXTREMES FOR THIS MONTH (AUGUST)

Avg Temp 78.4 – 1st warmest of 39 (69.7 in 1992 to 77.9 in 2016#) # previously

Precip 0.45 – 2nd driest of 40 (0.22 in 1995 to 17.08 in 2018)

Snowfall 0.0 – Snow was never observed here during August.

Statistical summer (months JJA) averaged 76.2°F (+1.8) in temperature, 0.8 degree below the 77.0 of summer 2010, with extremes of 47 on 20 June and 96 on 23, 24 July and 4, 9 August. The summer brought 37 days that heated to at least 90 in addition to four days in May. Precipitation totaled 10.19” (-5.04) of which 2.09 during 27-28 July was the greatest within 24 hours.