**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 2021**

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

TEMPERATURES

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

**1** **74** 59 60 0.43 Few light daytime showers; mod t-shower ~dusk

2 81 57 **59** Patchy fog predawn

3 80 **56** 62

4 82 59 61

5 87 57 71

6 91 63 75

7 87 68 71 T Few drops at 2359

**8** 89 66 70 T Few drops before 0100

9 91 65 74

10 92 71 71 0.91 Light shower ~0720; TSTMs in area 1500-2020

11 94 69 72 0.84 TSTM complex 1630-1930; downpour1710-1730

12 **96** 70 76 0.01 Thunderstorm in area toward midnight

13 94 70 74 0.03 Light rain, gentle thunder late afternoon

14 87 73 73

**15** 85 67 72

16 83 70 74 T Drizzle at times, mainly dusk

17 85 72 75 1.52 Off/on tropical downpours early-mid aft; no T

18 88 74 76 **2.13** Showers, TSTM downpours, mainly after 1630…

19 87 **75** 75 T Few drops at times 18) …from TS Fred

20 86 70 70 0.04 Light rain at daybreak

21 88 67 75 0.02 Light rain very late evening

**22** 78 73 73 0.70 Periods of rain, mostly after dusk into wee…

23 90 73 73 0.46 …hours; (t-)showers in area afternoon-dusk

24 90 69 71 22,23) near SW edge of TS Henri

25 94 67 76

26 93 72 **78**

27 94 72 73 0.37 Dissipating TSTM toward dusk into post-dusk

28 76 67 68 0.89 TSTM wee hours; moderate fog dawn, daybreak

**29** 83 67 75 T Little drizzle AM

30 90 71 73

31 82 71 73 T Few drops at times PM

SUM 2697 2100 8.35 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 77.4 (+2.9)

Average Maximum Temperature (Dep): 87.0 (+2.2)

Average Minimum Temperature (Dep): 67.7 (+3.3)

Extreme Daily High Max Temp (Dep): 96 (+2) on 12th (record 101 on 2 Aug 2002)

Extreme Daily High Minimum Temp: 75 on 19th (record 81 on 02 Aug 2006)

Extreme Daily Low Min Temp (Dep): 56 (+3) on 3rd (record 42 on 30 Aug 1986)

Extreme Daily Low Maximum Temp: 74 on 1st (record 61 on 21 Aug 2007)

Heating Degree Days (Season): 0 (0)

Cooling Degree Days (Season): 392 (1128)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 8.35 (+3.69)

Total Annual Pcpn through Month: 35.62 (+0.63)

Greatest Calendar Day Pcpn: 2.13 on 18th (record 4.44 31 Aug 2018)

Greatest Floating 24-Hour Pcpn: 2.13 on 18th-18th (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): 9 (+2)

Highest Wind Gust (MPH): 28 on 11th

Maximum Barometric Pressure: 30.26 on 29th, 29th

Minimum Barometric Pressure: 29.77 on 23rd

HIGHLIGHTS

Unusual coolness of late July persisted the first five days of August of which all five had lows in the upper 50s, including the month’s coolest at 56 on the 3rd. Such a cool streak would be slightly unusual even for the end of August. But then, typical summer heat and humidity resumed during the 6th and continued with two brief and minor interruptions the remainder of the month. Fifteen of the remaining 26 days had lows in the 70s. Besides, twelve days heated to at least 90, including the month’s highest of 96 on the 12th. As a result, the early chill was offset by midmonth. And this August finished with a toasty average of 77.4 which tied 2005 for second warmest August of 38. August 2016 holds a strong lead at 77.9. Last August (2020) averaged 76.9 with extremes of 55/96. Officially for Reading (RDG), the average was slightly warmer at 77.76, virtually tied with 77.81 average of August 1955 for the warmest since 1898.

Rainfall this August totaled 8.35”, mainly from numerous moderate to heavy rainfalls after the 9th, and included a significant contribution of 2.13 from TS Fred on the 18th and a minor contribution of 1.16 from offshore TS Henri which made landfall at Rhode Island. Most of the rest came from scattered tropical downpours or thunderstorms. Thunder was heard during nine different days. The 8.35 total was good for fourth wettest August of 39, but far behind the 2018 standard of 17.08. August 2020 was rather wet with a total of 7.64 but included 4.16 within 24 hours from TS Isaias. And parts of the Reading area collected 10 to 13 inches last August. August rainfall totals in Berks County varied widely mostly within 4 to 12 inches with most of the lesser amounts in northeastern Berks and the greater ones 3 to 6 miles W-SW-S of Reading 4 SW, where thunderstorm downpours were more numerous or longer-lasting. The greatest plausible total of 12.27 was logged near Vinemont, which is in the southernmost part of Spring Township, the same township in which Reading 4 SW is located. Officially, RDG accrued 6.90.

RANKINGS AND EXTREMES FOR THIS MONTH (AUGUST)

Avg Temp 77.4 – 2nd (2-way) warmest of 38 (69.7 in 1992 to 77.9 in 2016)

Precip 3.35 – 4th wettest of 39 (0.22 in 1995 to 17.08 in 2018)

Snowfall 0.0 – Snow was never observed here during August.

Statistical summer (months JJA) averaged 76.0°F (+1.6) in temperature, a full degree below the 77.0 of summer 2010, with extremes of 47 on 23 June and 99 on 30 June. The summer brought 33 days that heated to at least 90 in addition to three days in May. Precipitation totaled 18.67” (+3.44) of which 2.13 from TS Fred was the greatest contributor.