**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

**May 2022**

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

TEMPERATURES

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

**1** 72 **36** 55 0.06 Light rain afternoon

2 74 51 55 0.19 TSTM complex nearby SE-S predawn

3 75 53 53

4 69 50 58 0.28 Occasional rain till 0715; light rain ~1830

5 75 52 62

6 62 49 50 1.11 Light to moderate rain dawn onward

7 **51** 45 **45** **1.14** Frequent light to moderate rain

**8** 66 43 46 T Leftover sprinkles till dawn then clearing

9 75 45 58

10 76 49 54

11 79 44 56

12 82 52 63

13 78 63 66 0.16 Showers 0800-1000; VCTS 1600 hour

14 75 66 66 0.12 Lgt rain dawn, evening; fog bank ½ mile SW 0800

**15** 80 65 66 T Light rain pre-dusk, not quite 0.01

16 80 55 55 0.19 VCTS mid-late afternoon, downpour sideswipes

17 80 49 56

18 74 47 58 0.15 Rain late eve, overnight…

19 80 55 60 0.52 …tapered to drizzle dawn, ended ~0730

20 80 56 68 0.53 Sprinkles 07-10 hours; VCTS 10-15 hours

21 93 67 **80** 0.01 Dense fog, drizzle dawn till 0800, then sunny

**22** 92 67 67 0.10 Few showers, distant thunder; mostly fair wx

23 75 56 63 T Few drops at times evening

24 70 56 56 T Few drops before dawn

25 76 52 62

26 73 55 68 T Very light drizzle small minority of time

27 76 66 68 0.70 VCTS, brief downpours mid-afternoon, late eve

28 80 64 67 0.07 Light rain around dawn; o/w, few drops at times

**29** 83 58 64

30 91 59 77 Memorial Day

31 **95** **68**

SUM 2387 1593 5.33 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 65.8 (+3.0)

Average Maximum Temperature (Dep): 77.0 (+3.1)

Average Minimum Temperature (Dep): 54.6 (+2.9)

Extreme Daily High Max Temp (Dep): 95 (+4) on 31st (record 98 on 30 May 1987)

Extreme Daily High Minimum Temp: 68 31st (record 72 on 30 May 2011)+

Extreme Daily Low Min Temp (Dep): 36 (-1) on 1st (record 31 on 14 May 1996)

Extreme Daily Low Maximum Temp: 51 on 7th (record 48 on 09 May 2020)

Heating Degree Days (Season): 74 (4540)

Cooling Degree Days (Season): 108 (110)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 5.33 (+1.18)

Total Annual Pcpn through Month: 20.58 (+0.83)

Greatest Calendar Day Pcpn: 1.14 on 7th (record 3.12 19 May 1988)

Greatest Floating 24-Hour Pcpn: 1.69 on 6th-7th (rec 4.10 04-05 May 1989)

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

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

Greatest Calendar Day Snowfall: 0.0 on (record 0.0 on 09 May 2020)\*

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 0.0 on 09-09 May 2020)\*

Maximum Depth of Snow/Ice: 0 on \* few flurries above 400’ ASL

Days with Hail: 0

Days with Thunder (Dep): 6 (+1)

Highest Wind Gust (MPH): 24 on 22nd

Maximum Barometric Pressure: 30.37 on 10th, 25th

Minimum Barometric Pressure: 29.54 on 16th

HIGHLIGHTS

May 2022 began rather cold with the lowest of 36 on the 1st, even though the month was mostly on the warmer side of normal, ending with a final average temperature of 65.8 (+3.0) and keyed in part by the month’s highest of 95 on the 31st. The averages of the daily highs and lows contributed nearly equally to the anomaly. One remarkable, but short, cool period occurred the 6th and 7th, just before Mothers’ Day when a spring nor’easter brought steady rain and ENE winds. The high Saturday the 7th was only 51. Mothers’ Day brought gradual clearing and some moderation in temperature, to 66. Every day afterward warmed to at least 70, although a few lows were cool. Usually, steady warmth does not come till late May or even June. Of the four days that failed to warm to at least 70, only that high of 51 did not reach at least 62. Of the warm days, twelve warmed to at least 80, and four to at least 90. Memorial Day (30th) heated to 91. Eight days stayed above 60. On the cool side, only nine days fell below 50, including only one below 40. Officially for Reading (RDG), the average temperature was a similar 65.7 with extremes of 37/94. May 2021 was much cooler with average of 62.1.

Rainfall was frequent and plentiful for most of this May, totaling 5.33” (+1.18). Of that, the aforementioned nor’easter delivered 2.25. The remainder came mostly from scatterings of showers and thunderstorms which dominate the warmer half of the year. Thunder occurred on six different days. However, downpours either missed Reading 4 SW or were rather short in duration, resulting in a relatively low monthly total. May rainfall totals in Berks County fell within the range of 4.75 to 7.5 inches; few places had even more. RDG had 5.66. The higher amounts of near or above 7 inches were spotty within all quads of the county, where downpours were more numerous or longer-lasting. May 2021 at Reading 4 SW was not nearly so wet with 3.42, 2.44 of which came after the 25th.

RANKINGS AND EXTREMES FOR THIS MONTH (MAY)

Avg Temp 65.8 – 9th warmest of 38 (57.7 in 2005 to 68.4 in 2015)

Precip 5.33 – 9th wettest of 40 (1.15 in 2005 to 12.66 in 1989)

Snowfall 0.0 – Least of 40 Last widespread May flurries, 9 May 1977

Statistical spring (months MAM) averaged 54.1 (+1.4) in temperature, consisted of a warm (relative to normal) March and May and cool April, and included extremes of 18 on 4 March and 95 on 31 May. Precipitation totaled 13.62” (+0.90), of which March was slightly drier and April, May moderately wetter than normal, and included high 24-hour amounts of 1.57 on 7 April, 1.60 on 18-19 April and 1.69 on 6-7 May. Snowfall totaled 3.9” with last measurable on 12 March and last trace on 19 April.