**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

**October 2024**

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

TEMPERATURES

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

1. 71 **61** 61 T Sprinkle 2100 hour

2 70 60 62 **0.06** Drizzle, light rain late aft’n into late eve

3 78 55 55

4 69 54 64 0.01 Dense fog, drizzle AM; sprinkle 1600 hour

5 78 51 51 0.01 Predawn dense fog and drizzle, then nice day

**6** 79 45 62

7 76 54 54

8 73 44 51

9 71 45 52

10 64 41 41

11 71 40 50

12 78 46 53

**13** 84 50 64

14 67 44 44 0.01 Sprinkles, light rain well before dawn

15 **60** 37 41

16 61 39 39

17 64 33 42

18 73 39 43

19 75 36 42

**20** 78 36 45

21 83 40 53

22 **87** 49 61

23 82 46 61

24 69 44 44 T Sprinkle around 0030

25 67 37 48

26 67 44 45

**27** 61 33 **35**

28 66 **31** 43 First fall freeze, light plant damage

29 71 39 48

30 79 45 61

31 85 50 **70**

SUM 2257 1368 0.09 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 58.5 (+3.0)

Average Maximum Temperature (Dep): 72.8 (+7.1)

Average Minimum Temperature (Dep): 44.1 (-1.2)

Extreme Daily High Max Temp (Dep): 87 (+5) on 22nd (record 94 on 02 Oct 2019)

Extreme Daily High Minimum Temp: 61 on 1st (record 74 on 08 Oct 2017)

Extreme Daily Low Min Temp (Dep): 31 (-0) on 28th (record 22 on 31 Oct 1988)

Extreme Daily Low Maximum Temp: 60 on 15th (record 38 on 30 Oct 2003)

Heating Degree Days (Season): 206 (224)

Cooling Degree Days (Season): 11 (1402)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 0.09 (-4.64)

Total Annual Pcpn through Month: 40.02 (-5.96)

Greatest Calendar Day Pcpn: 0.06 on 2nd (record 7.24 on 08 Oct 2005)

Greatest Floating 24-Hour Pcpn: 0.06 on 2nd-2nd (rec 7.83 on 07-08 Oct 2005)

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

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

Greatest Calendar Day Snowfall: 0.0 on (record 5.5 on 29 Oct 2011)

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 5.5 on 29-29 Oct 2011)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 0 (-1)

Highest Wind Gust (MPH): 26 on 14th

Maximum Barometric Pressure: 30.59 on 19th

Minimum Barometric Pressure: 29.61 on 14th

HIGHLIGHTS

October 2024 at Reading 4 SW began dry after seven weeks of little rain and then progressed toward historic dryness with only 0.09” of rain the entire month. That paltry amount marked a new driest October of at least 42 years, smashing the previous driest of 0.83 from 2001. And it also marked a new driest of any month, ducking under 0.22” of August 1995. All of the meager measurable amounts came before the 15th scattered over four different days including 0.06 on the 2nd. Scattered locations in Berks County, mostly north-central, got slightly over 0.1 inch. The great majority of Berks got less than 0.1 inch, including 0.03” officially for Reading PA (RDG). Some regional counties got even less or even no rain. That 0.03” marked officially a new driest October and any calendar month, both 0.04” from October 1924, during 155 years of record. As expected, officials declared a Drought Warning for Berks and surrounding counties as this arid October ended. Numerous local water usage restrictions and burn bans had already been in place. Last October (2023) was dry also, but not nearly so extreme at 2.10”.

As can be expected of a nearly rainless month, fair-weather days held a strong majority. And this persistent pattern was favorable for tourism, recreation, and doing outside fall chores. The many mostly sunny days and clear nights with little wind contributed greatly to daily high temperatures averaging much above normal (72.8/+7.1) while the daily lows averaged below normal (44.1/-1.4). Several diurnal ranges were really large including two over 40 degrees: 36/78 on 20th and 40/83 on 21st. The final monthly average temperature of 58.5 degrees was 3.0 warmer than the 1991-2020 30-year average. Therefore, it was a warm October overall. Very cool weather was absent. The lowest of 31 on the 28th was typical, and all 31 days warmed to at least 60. Unusually warm overnights, save for the rollover into November at 70, were also absent with a warmest daily low of 61 on the 1st. The high temperature average of 72.8 was a close second to only 72.9 of October 2007 for warmest of that category. Five days reached the 80s, all except one after the 20th, and culminated in record highs of 87 on the 22nd and 85 on the 31st. The month’s lowest of 31 on the 28th came between these two very warm days. Last October averaged very slightly warmer at 58.6 with extremes of 35/86. The official RDG average temperature for October 2024 was the same at 58.5 and included corresponding record highs of 86 and 84 and a lowest of 33 early on two days.

RANKINGS AND EXTREMES FOR THIS MONTH (OCTOBER)

Avg Temp 58.5 – 7th warmest of 41 (49.7 in 1987 to 62.5 in 2007)

Precip 0.09 – 1st driest of 42 (0.83 in 2001# to 12.83 in 2005)

Snowfall 0.0 – Least (39-way) of 42 (0.0 in 39 years to 5.5 in 2011)

# Previous record