**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 2021**

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

TEMPERATURES

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

1. 69 43 49

2 78 45 53

**3** **83** 49 70 0.11 Showers, thunder S, after 2200

4 81 **67** 68 0.02 Light rain before dawn, foggy; thunder ~2359

5 69 63 64 0.02 Lgt shower at midnight then intermittent drizzl

6 74 63 63 0.01 Occasional drizzle till 0800

7 75 59 59

8 78 58 67

9 72 62 63 0.01 Light rain before dawn

**10** 67 61 61 0.02 Light rain, drizzle AM

11 71 57 57

12 68 55 64 0.01 Drizzle, fog predawn till 0900

13 70 57 57 Fog again toward midnight

14 79 56 59 T Dense fog, little drizzle till 0800

15 **83** 57 **71**

16 82 52 52 0.28 Gusty showers from 1305 CFP till after dusk

**17** 61 46 49

18 63 44 44

19 71 42 57

20 77 47 53

21 78 48 65

22 65 48 48 T Few drops midday

23 61 42 **42** 0.02 Light rain drops small minority dawn to dusk

**24** 61 **40** 54 0.01 Few drops forenoon; light shower late evening

25 78 52 61 0.90 Rain after dusk, thunder ~1900

26 65 49 49 0.36 Periods of rain or drizzle mostly AM

27 68 49 50 0.01 Last light rain, drizzle wee hours

28 65 43 55

29 **58** 50 55 **1.33** Periods of rain from dawn but mostly after dusk

30 65 51 51 0.14 Periods of light rain AM

**31** 65 45 52 0.01 Scattered sprinkles late AM

SUM 2200 1600 3.26 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 61.3 (+5.8)

Average Maximum Temperature (Dep): 71.0 (+5.3)

Average Minimum Temperature (Dep): 51.6 (+6.2)

Extreme Daily High Max Temp (Dep): 83 (+1) on 3d,15th (record 94 on 02 Oct 2019)

Extreme Daily High Minimum Temp: 67 on 4th (record 74 on 08 Oct 2017)

Extreme Daily Low Min Temp (Dep): 40 (+9) on 24th (record 22 on 31 Oct 2000)

Extreme Daily Low Maximum Temp: 58 on 29th (record 38 on 30 Oct 2003)

Heating Degree Days (Season): 141 (157)

Cooling Degree Days (Season): 32 (1302)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 3.26 (-1.47)

Total Annual Pcpn through Month: 47.97 (+2.99)

Greatest Calendar Day Pcpn: 1.33 on 29th (record 7.24 on 08 Oct 2005)

Greatest Floating 24-Hour Pcpn: 1.46 on 29-30th (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): 4 (+3)

Highest Wind Gust (MPH): 30 on 16th

Maximum Barometric Pressure: 30.39 on 6th

Minimum Barometric Pressure: 29.40 on 26th

HIGHLIGHTS

October 2021 brought rather little autumnal cooling at Reading 4 SW. The final average temperature of 61.3 (+5.8) was good for third warmest October of 38. Only 1984 (61.6) and 2007 (62.5) were warmer. Despite the lofty average, there was no unusual warmth with a rather modest maximum of 83 on 3rd and 15th. Nor was there any unusual cool. The minimum of 40 on the 24th became a new highest minimum for an October, besting 38 from 1984. Mild or warm was quite consistent, attested by only one daily maximum below 60, 58 on the 29th. The average of the maximums (71.0) and the average of the minimums (51.6) were slightly short of records in their respective categories. And the minimums contributed slightly more to the overall anomaly than the maximums. October 2020 was not as warm, but still above normal at 56.7. Officially for Reading (RDG), a slightly higher average of 61.5 virtually tied with 2007 for second warmest October since at least 1898 but was still rather distant from the 62.6 standard from 1947.

Rainfall was quite scant through the 24th, during when only 0.51” accrued. Then two complex troughs, with a day of fair weather between the two, traversed the region during the final seven days. Both delivered very heavy rains to parts of the Middle Atlantic States, causing most areas to finish October above normal. However, rains at Reading 4 SW were relatively modest at 1.27” and then 1.48”, and were not enough to compensate for October’s deficiency, and resulted in a final total of 3.26” (-1.47). Thunderstorms prowled the vicinity on three occasions. But their downpours either missed Reading 4 SW or were very brief. Those nearby areas that got more of those downpours ended with monthly totals of 4.4 to 5.4 inches, including places within several miles of Reading 4 SW. Otherwise, monthly totals fell mostly in the range of 3.0 to 4.4. A small minority of places got less than 3.0, including RDG, whose total of 2.44” was very near the bottom. Despite below average rainfall, this October contained 16 days with measurable precipitation, besting 15 days from 2002, for most during an October. However, ten of those were either 0.01 or 0.02. October 2020 followed a very similar trend of very low rainfall ahead of copious rains toward month’s end, and a final total of 3.36, including 1.63 from the 29th into the 30th, making this October a near copy rain-wise of October 2020.

RANKINGS AND EXTREMES FOR THIS MONTH (OCTOBER)

Avg Temp 61.3 – 3rd warmest of 38 (49.7 in 1987 to 62.5 in 2007)

Precip 3.26 – 18th driest of 39 (0.83 in 2001 to 12.83 in 2005)

Snowfall 0.0 – Least (36-way) of 39 (0.0 in 36 years to 5.5 in 2011)