**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

**November 2020**

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

 TEMPERATURES

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

1. 55 37 39 0.48 Rain, showers forenoon to dusk

 2 48 38 39 Snow flurries N-NE of Reading ~ sunrise

 3 59 37 37 Nice weather for voting

 4 68 32 51

 5 69 40 49

 6 73 46 46

 7 75 40 45

 **8** **78** 39 45

 9 77 41 55

10 76 47 65

11 69 **64 66** 0.85 Rain, drizzle mainly forenoon to dusk

12 66 47 47 0.23 Periods of rain, drizzle till 1300

13 58 41 44 0.06 Light rain, drizzle AM; then clearing

14 55 33 33

**15** 66 33 51 0.16 Thunder-squall 1835-1840 then trailing rain

16 57 33 33

17 48 31 36 T Few feeble sprinkles midday, afternoon

18 **40** 25 **25**

19 48 **24** 45

20 66 35 44

21 62 39 48 T Sprinkle during dusk

**22** 50 44 50 0.02 Light rain overnight, augmented by few hvy…

23 58 40 40 0.14 …spurts less than a min 3 AM hour; faint thdr

24 50 31 43

25 56 36 51 0.03 Light rain late evening

26 66 46 46 0.17 Light rain AM Thanksgiving Day

27 57 44 49

28 57 34 34

**29** 55 29 43

30 61 43 50 **1.42** Rain, heavy at times, predawn to post-dusk

31 -- -- --

SUM 1823 1149 3.56 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 49.5 (+4.7)

Average Maximum Temperature (Dep): 60.8 (+6.7)

Average Minimum Temperature (Dep): 38.3 (+2.7)

Extreme Daily High Max Temp (Dep): 78 (+6) on 8th (record 81 on 03 Nov 2003)

Extreme Daily High Minimum Temp: 64$ on 11th (record 64 on 06 Nov 2015)$

Extreme Daily Low Min Temp (Dep): 24 (+3) on 19th (record 14 on 23 Nov 2018)

Extreme Daily Low Maximum Temp: 40 on 18th (record 30 on 22 Nov 2018)+

Heating Degree Days (Season): 458 (783)

Cooling Degree Days (Season): 2 (1304)

+ Most recent of more than one occurrence $ Tied record

 -- more --

Total Monthly Precipitation (Dep): 3.56 (-0.57)

Total Annual Pcpn through Month: 49.04 (+1.46)

Greatest Calendar Day Pcpn: 1.42 on 30th (record 2.91 on 08 Nov 1996)

Greatest Floating 24-Hour Pcpn: 1.42 on 30-30th (rec 2.98 on 08-09 Nov 1996)

Total Monthly Snowfall (Dep): 0.0 (-0.8)

Total Season Snowfall (Dep): 0.0 (-0.8)

Greatest Calendar Day Snowfall: 0.0 on (record 5.6 on 15 Nov 2018)

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 5.6 on 15-16 Nov 2018)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 2 (+1)

Highest Wind Gust (MPH): 29 on 15th

Maximum Barometric Pressure: 30.63 on 19th

Minimum Barometric Pressure: 29.32 on 30th

HIGHLIGHTS

November 2020 averaged much warmer than normal, keyed by eight consecutive days (4th to 11th) with maximum temperatures of at least 68, including five consecutive above 72, the highest 78 on the 8th. The final average of 49.5 tied with Nov. 2006 for second warmest only to 49.6 of Nov. 2015 during 37 years of record. The daily maximum average contributed considerably more to the anomaly than the daily minimum average as many minima were rather seasonable, even during the warm spell. A big exception was the min of 64 on the 11th, which tied 6 Nov. 2015 for the warmest November daily min temp on record. The lowest of 24 on the 19th was a rather modest November minimum and was the lowest of a moderate cold snap which stayed only three days. Cloudiness and tropical rains kept temperatures within a narrow range of 64 and 69 on Veterans Day. Otherwise, seasonable to mild characterized this November after the long warm spell, including a max of 66 on Thanksgiving Day, the 26th. Last November (2019) was much cooler at 40.8 with extremes of 20/64. Officially for Reading, PA (RDG), the temperature average was also 49.5, third warmest of 123, and there were two new and one tied record high maximums and one new record high minimum during the warm spell.

Like September and October, rainfall was rather scant through the 28th or 29th, until an end-of-month soaking boosted the final total precipitation rather close to normal each month. This November, 1.42 on the 30th, by far the wettest day, resulted in a final total of 3.56, 0.57 below the mean but right on the median. A little thunder was heard on the 15th and 23rd but shortly out of earshot on the 30th. Feeble flurries or graupel were observed north of Reading on the 2nd and 17th; otherwise, November was snow free in Berks County. November 2019 was 2.00 drier at 1.56 with two traces of snow. November precipitation in Berks County ranged from mainly 3 to 6 inches, least west and central, and greatest eastern third, even 6.14 at Unionville near the Berks/Montgomery/Chester triple point. The official RDG total of 2.42 is incomplete due to an ASOS malfunction on the 11th, when approximately a half inch was missed. But RDG would still be least of more than 50 complete totals in Berks County even if adjusting upward by 0.50.

RANKINGS AND EXTREMES FOR THIS MONTH (NOVEMBER)

Avg Temp 49.5 – 2nd (2-way) warmest of 37 (38.5 in 1995 to 49.6 in 2015)

Precip 3.56 – 19th driest of 38 (1.17 in 2012 to 9.50 in 2018)

Snowfall 0.0 – Least (10-way) of 38 (0.0 in 10 years to 5.6 in 2018)

Statistical (meteorological) autumn (months SON) averaged 57.0 (+1.7) in temperature with 10.34 (-3.41) of precipitation and no early snow. Temperatures ranged modestly from 86 on 8 September to 24 on 19 November. Rainiest 24 hours of 2.58 occurred on 29-30 September, including 2.16 on 29 September.