**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 2022**

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

TEMPERATURES

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

1. 70 53 53 0.07 Light rain before dawn

2 72 46 46

3 72 39 45

4 74 41 58

5 **78** 58 69 T Few drops late AM

**6** 74 **67** 69 0.19 Rain dawn till shortly past 0900

7 76 54 54

8 61 39 39

9 58 31 37

10 68 35 54

11 72 53 **71** 0.67 Periods of rain after 0800; lull evening

12 71 55 55 0.17 Rain before 0400; sprinkles late evening

**13** 55 37 37 0.02 Light rain before 0200

14 47 29 29

15 42 26 37 **0.76** T Rain PM, mixed with sleet/slush before 1800

16 51 37 38 0.18 Light rain before dawn

17 45 34 34

18 44 32 32 0.01 T Shower mixed snow/rain 1800 to 1830

19 45 26 **26**

**20** **35** 25 27

21 44 **22** 29

22 54 25 32

23 58 26 30

24 58 26 34 Pleasant Thanksgiving weather

25 56 34 46 0.06 Light rain predawn, over by 1000

26 58 35 39

**27** 50 37 49 0.55 Periods of rain predawn to post-dusk

28 53 41 41 0.01 Little rain during predawn

29 48 30 38

30 55 35 35 0.44 Mostly light rain predawn to late afternoon

31 -- -- --

SUM 1742 1128 3.13 T 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 47.8 (+3.0)

Average Maximum Temperature (Dep): 58.1 (+4.0)

Average Minimum Temperature (Dep): 37.7 (+2.0)

Extreme Daily High Max Temp (Dep): 78 (+6) on 5th (record 81 on 03 Nov 2003)

Extreme Daily High Minimum Temp: 67 on 6th (record 64 on 11 Nov 2020)+$

Extreme Daily Low Min Temp (Dep): 22 (+1) on 21st (record 14 on 23 Nov 2018)

Extreme Daily Low Maximum Temp: 35 on 20th (record 30 on 22 Nov 2018)+

Heating Degree Days (Season): 518 (900

Cooling Degree Days (Season): 9 (1311)

+ Most recent of more than one occurrence $ Previous record

-- more --

Total Monthly Precipitation (Dep): 3.13 (-0.43)

Total Annual Pcpn through Month: 42.65 (-5.89)

Greatest Calendar Day Pcpn: 0.76 on 15th (record 2.91 on 08 Nov 1996)

Greatest Floating 24-Hour Pcpn: 0.94 on 15-16th (rec 2.98 on 08-09 Nov 1996)

Total Monthly Snowfall (Dep): T (-0.7)

Total Season Snowfall (Dep): T (-0.7)

Greatest Calendar Day Snowfall: T on 18th+ (record 5.6 on 15 Nov 2018)

Greatest Floating 24-Hour Snowfl: T on 18th-18th+ (rec 5.6 on 15-16 Nov 2018)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

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

Highest Wind Gust (MPH): 29 on 20th

Maximum Barometric Pressure: 30.67 on 9th

Minimum Barometric Pressure: 29.38 on 12th

HIGHLIGHTS

In sharp contrast with early October, which began wet and unseasonably cool, this November began unseasonably warm with mostly fair weather and a small minority of light rain. All first seven days climbed to at least 70 degrees, including the month high of 78 on the 5th. Most impressive was the low of 67 on the 6th as humidity became near-tropical and set a new record for warmest date low for November, which was previously 64 on 6 Nov 2015 and 11 Nov 2020. The November highest of 81 on 3 Nov 2003 survived as considerable cloudiness on the 5th likely suppressed the warmth a few degrees. After modest cooling from the 8th into the 10th, warmth returned for two and a half days, including two more 70s on the 11th and 12th, which yielded nine 70s for the month, surpassing six during November 2005. Average daily departure above normal the first twelve days was 12 degrees. That large excess was to be whittled to +3.0 degrees by month ending with a final average of 47.8 as cooler than normal temperatures dominated after the 12th. Even 60s were shut out the last 18 days. Instead, eight days chilled below 30, including the month low of 22 on the 21st, which is typical. Most of these occurred after clear and calm nights, which allowed chilled air to sink to low-elevation areas such as Reading 4 SW and likely contributed to the average of the lows (37.6) being less above normal (+2.0) than the average of the highs (58.1/ +4.0). The most impressive chill was the blustery high of 35 on the 20th, which tied with 20 Nov 1984. This November was warmer than 2021 (42.4) but cooler than 2020 (49.5). Officially for Reading PA (RDG), the average was also 47.8 with a highest of 79 (tied record) on 5th and lowest of 22 on 21st and included also a high of 34 on 20th which became a new record cold high for the date, plus also a record warm low for November of 67 on 6th, bettering three occurrences of 65.

Precipitation frequency was typical which came as several light to moderate falls and resulted in a slightly subnormal total of 3.13” (-0.43). Included was the greatest 24 hour amount of 0.94” on 15th-16th and also the first snow or sleet as non-accumulating occurrences on the 15th and 18th. November 2021 was drier at only 1.82” with a trace of snow. Most places in Berks County tallied 3-point-something for November but ranged from 2.5 to 4.7 inches, greatest near I-78. RDG had 2.58.

RANKINGS AND EXTREMES FOR THIS MONTH (NOVEMBER)

Avg Temp 47.8 – 10th warmest of 39 (38.5 in 1995 to 49.6 in 2015)

Precip 3.13 – 16th driest of 40 (1.17 in 2012 to 9.50 in 2018)

Snowfall T – 11th least (16-way) of 40 (0.0 in 10 years to 5.6 in 2018)

Statistical (meteorological) autumn (months SON) averaged 56.6 (+0.7) in temperature with 11.88” (-1.67) of precipitation. Temperatures ranged from 93 on 4 September to 22 on 21 November. Rainiest 24 hours of 2.14” occurred on 5-6 September. Traces of snow were observed on 15 and 18 November.