**Reading 4 SW**; Berks County, PA; Lat 40.316251, Lon -75.988661, Elev 320 ft 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

**January 2022**

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

TEMPERATURES

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

1 55 **50** **52** **0.72** Rain, moderate at times evening; dense fog AM

**2** **61**  36 36 0.07 Light rain before dawn, mid afternoon

3 36 23 23 T T Few flakes late AM as snowstorm passed to S

4 36 17 28

5 44 24 34

6 38 28 29 0.14 1.8 2 Snow from 2000

7 32 21 22 0.18 1.7 **3** Snow before dawn; flurries late AM

8 32 18 20 3

**9** 36 20 36 0.29 T 1 Light rain 0800-dusk; little sleet, glaze ice

10 36 23 23 T

11 24 14 14 T T T Snow shower around 0100

12 38 14 30 T

13 44 27 30 T

14 44 21 21 T

15 **22** 12 **12** T

**16** 37  **6** 37 0.61 **3.3** 3 Snow from 1630; mix 2100 hour; rain after 2200

17 41 31 31 0.71 T T Rain till daybreak; rain/snow; PM flurries

18 38 25 25 T T T Few flakes midday

19 48 23 36

20 37 19 19 0.31 0.3 T Rain 0100 to daybreak, then snow till 1000

21 26 13 18 T

22 29 10 21 T

**23** 37 17 28 0.03 0.3 T Period of light snow late afternoon, early eve

24 35 22 35 T

25 41 24 24 0

26 30 14 15

27 34 10 30

28 34 28 28 0.04 0.5 T Snow after 0700, mostly very light

29 28 14 14 0.11 1.1 1 Light snow AM, sub-measurable after 0700

**30** 28 12 21 1

31 35 12 T

SUM 1136 628 3.21 9.0 7

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 28.5 (-3.1)

Average Maximum Temperature (Dep): 36.6 (-2.8)

Average Minimum Temperature (Dep): 20.3 (-5.6)

Extreme Daily High Max Temp (Dep): 61 (-0) on 2nd (record 71 on 06 Jan 2007)

Extreme Daily High Minimum Temp: 50 on 1st (record 61 on 15 Jan 1995)

Extreme Daily Low Min Temp (Dep): 6 (-2) on 16th (record -14 on 21 Jan 1994)

Extreme Daily Low Maximum Temp: 22 on 15th (record 2 on 19 Jan 1994)

Heating Degree Days (Season): 1125 (2658)

Cooling Degree Days (Season): 0 (0)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 3.21 (-0.61)

Total Annual Pcpn through Month: 3.21 (-0.61)

Greatest Calendar Day Pcpn: 0.72 on 1st (record 3.02 on 23 Jan 2016) Greatest Floating 24-Hour Pcpn: 1.32 on 16-17th (rec 3.20 on 22-23 Jan 2016)

Total Monthly Snowfall (Dep): 9.0 (-0.2)

Total Season Snowfall (Dep): 9.0 (-5.1)

Greatest Calendar Day Snowfall: 3.3 on 15th (record 24.6 on 23 Jan 2016)

Greatest Floating 24-Hour Snowfl: 3.5 on 6th-7th (rec 28.0 on 07-08 Jan 1996)

Maximum Depth of Snow/Ice: 3 (long)

Days with Hail: 0

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

Highest Wind Gust (MPH): 26 on 29th

Maximum Barometric Pressure: 30.66 on 8th

Minimum Barometric Pressure: 29.07 on 17th

HIGHLIGHTS

January 2022 began very mild, continuing the character of December. While the max temperature on New Year’s Day of 55 was well short of a record high, the min of 50 (50 also at RDG) was good for a new record high min temperature, bettering 48 from 1966. The mildness continued into the afternoon of the 2nd with a max of 61. The 60 at RDG narrowly missed the weak date record high of 61 from 1979. That was to be the end of January mildness. Subnormal temperatures dominated the remaining 29 days, all of which had subfreezing minimums. Of those, nine days failed to warm above 32. The highest and lowest maximums were 48 on the 19th and 22 on the 15th. The highest minimum after the 2nd was 31 on the 17th. The lowest minimum of 6 on the 16th is typical for January. The plus departure from normal of 17 degrees the first two days quickly eroded to normal by the 10th and then ended the month with an average of 28.5 (-3.1). That month average of 28.5 (27.9 at RDG) marked coldest month since the 22.4 of February 2015, which was paired with a January that averaged 28.1. Although this January averaged 3 degrees colder than normal, severe cold was absent; but moderate to harsh cold was frequent, shutting out mildness after the 2nd. Last January (2021) averaged milder at 34.2 with modest extremes of 19/52.

Relief from December drought came early with 0.72” on New Year’s Day plus 0.07 of spillover on the 2nd, all rain. Despite this strong start, January ended slightly subnormal in precipitation at 3.21 (-0.61), included the melt of 9.0” (-0.2) of snow, and was favorably distributed throughout the month. Three major coastal storms affected the region during January. The first, on the 3rd, almost entirely missed Reading 4 SW, but brought heavy rain then snow to Delmarva and coastal NJ. The second, a direct hit on the 16th-17th, brought a quick 3.3” of snow, then rain and rapid meltdown, and tanked the barometric pressure to 29.07 in\*Hg (29.05 at RDG) as the low center passed directly over the Reading area. This storm was responsible for the greatest 24-hour precipitation of 1.32”. The third was a storm of all snow, very much of it and even blizzard, along the Middle Atlantic and New England coasts. It sideswiped Reading 4 SW with 1.6” of snow. A few additional minor to moderate systems brought combinations of rain and snow. Sleet and freezing rain occurred on two different days but were minimal in amounts and impact. Monthly precipitation in Berks County ranged mainly in the range of 2.0 and 3.6 inches, roughly north to south, including 2.62 at RDG, and included the melt of 5 to 10 inches of snow. January 2021 at Reading 4 SW brought only 2.32, including the melt of 4.9 of snow, 4.7 of which came not till the final half day.

RANKINGS AND EXTREMES FOR THIS MONTH (JANUARY)

Avg Temp 28.5 – 11th Coolest of 38 (21.1 in 1994 to 39.6 in 2006)

Precip 3.21 – 16th Driest of 40 (1.58 in 2008 to 8.00 in 1996)

Snowfall 9.0 – 16th Most of 40 (0.3 in 2006 to 46.5 in 1996)