**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 2025**

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

 TEMPERATURES

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

 1 49 **38** **39**

 2 42 33 33

 3 38 28 28 0.05 0.6 1 Snow 1300-1600; snow shower ~2100

 4 32 26 26 T T T Feeble flakes at times during the day

 **5** 33 24 27

 6 31 21 21 0.15 1.5 1 Snow predawn till noon then some PM flurries

 7 34 20 28 1 Slight drifting snow

 8 33 20 20 T

 9 34 19 25 T

10 35 22 30 T

11 34 25 32 0.04 0.5 T Light snow between 0100 and 0630

**12** 43 29 35 T

13 43 26 33 0

14 33 21 21

15 35 20 23

16 27 16 21 0.09 1.0 1 Light snow 1030-1730

17 44 21 26 0

18 40 26 34 0.01 Drizzle late morning and early afternoon

**19** 35 19 19 0.45 **6.1** **6** Snow 1000-2200, heavy at times afternoon

20 26 6 11 5

21 **18** 3 6 4

22 20 **-4** **5** 4

23 28 3 10 3

24 34 8 13 3

25 35 6 26 3

**26** 44 21 22 2

27 42 17 36 1

28 43 27 28 1

29 **52** 28 36 T

30 42 26 34 T

31 47 32 46 0.30 0 Occasional rain predawn thru much of evening

SUM 1126 627 1.09 9.7 36

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 28.3 (-3.3)

Average Maximum Temperature (Dep): 36.3 (-3.1)

Average Minimum Temperature (Dep): 20.2 (-3.7)

Extreme Daily High Max Temp (Dep): 52 (-9) on 29th (record 71 on 06 Jan 2007)

Extreme Daily High Minimum Temp: 38 on 1st (record 61 on 15 Jan 1995)

Extreme Daily Low Min Temp (Dep): -4 (-12) on 22nd (record -14 on 21 Jan 1994)

Extreme Daily Low Maximum Temp: 18 on 21st (record 2 on 19 Jan 1994)

Heating Degree Days (Season): 1130 (2754)

Cooling Degree Days (Season): 0 (0)

+ Most recent of more than one occurrence

 -- more --

Total Monthly Precipitation (Dep): 1.09 (-2.73)

Total Annual Pcpn through Month: 1.09 (-2.73)

Greatest Calendar Day Pcpn: 0.45 on 19th (record 3.02 on 23 Jan 2016) Greatest Floating 24-Hour Pcpn: 0.45 on 19-19th (rec 3.20 on 22-23 Jan 2016)

Total Monthly Snowfall (Dep): 9.7 (+0.5)

Total Season Snowfall (Dep): 11.3 (-2.8)

Greatest Calendar Day Snowfall: 6.1 on 19th (record 24.6 on 23 Jan 2016)

Greatest Floating 24-Hour Snowfl: 6.1 on 19th-19th (rec 28.0 on 07-08 Jan 1996)

Maximum Depth of Snow/Ice: 6 on 19th

Days with Hail: 0

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

Highest Wind Gust (MPH): 28 on 3rd, 29th

Maximum Barometric Pressure: 30.61 on 21st

Minimum Barometric Pressure: 29.47 on 1st, 29th

HIGHLIGHTS

January 2025 turned out to be a harsh winter month which was dominated by moderate to severe cold and more snow than average despite total precipitation marking a new January record for least rain and melted snow in 43 years of record. The new record is now 1.09” (-2.73), much under the previous least of 1.58 from January 2008. The snow total of 9.7” is only slightly above the mean of 43 years (9.2) but well above the median of approximately 6.5”. The snow total was keyed by a half foot (6.1”) on Sunday the 19th, and a few prior minor accumulations accounted for the remainder. No snow fell after the 19th, but the resulting pack lasted almost to month’s end. Fourteen days had an inch or more of snow cover, the most in January since 2015 which had 15, but much less than the legendary January of 1996 which was covered with at least 2” from beginning to end. Reputable measurements of precipitation and snowfall in Berks County ranged from 0.8 to 1.2 and 7 to 12 inches respectively. The official precipitation for Reading PA (RDG) of exactly 1.00 became fifth least during last 155 years but doubled-plus the very least which was 0.48 from 1970. January 2024 at Reading 4 SW was much wetter and slightly less snowy with 6.43 and 8.6 inches respectively.

The dominant moderate to severe cold was book-ended between slightly mild first two days and three last days. The month’s highest of 52 on the 29th is 9 degrees lower than the average January highest of 61. This January’s highest daily low temperature of 38 occurred on New Year’s Day. The persistent cold of the intervening 26 days was keyed by a lowest of minus 4 on the 22nd, which is 12 degrees under the average January lowest of 8, became first zero or below temperature since -7 on 31 January 2019, and was the nadir of a six-day arctic air invasion that began in the wake of the 19 January snowstorm during which every daily low was 8 or below. The coldest high of 18 on the 21st became the first high below 20 since 16 on 24 December 2022, but that arctic blast was brief. The final average of 28.3 (-3.3) become coldest January since 28.1 from 2015 and coldest month since 22.4 of February 2015. In stark contrast, no day chilled below 25 during January 2023. Then January 2024 was more typical with average of 34.8 with extremes of 9/58. Officially for RDG, the final average of 27.5 (-3.3) included extremes of -7/50. And that minus 7 was lowest since the super arctic invasion of January 1994 which contained the coldest by far in at least 127 years of -20 on 21 January.

RANKINGS AND EXTREMES FOR THIS MONTH (JANUARY)

Avg Temp 28.3 – 11th Coolest of 41 (21.1 in 1994 to 40.8 in 2023)

Precip 1.09 – 1st Driest of 43 (1.58 in 2008% to 8.00 in 1996) % Previous

Snowfall 9.7 – 16th Most of 43 (0.3 in 2006 to 46.5 in 1996) Record