**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

**February 2025**

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

TEMPERATURES

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

1 46 22 22

**2** 32 17 29 0.04 0.3 T Coating of snow then little sleet mid-evening

3 49 24 38 0

4 48 31 31

5 37 30 33 T T 0 Very light sleet toward midnight

6 37 30 36 0.37 0.1 T Sleet, freezing rain to rain AM; foggy late PM

7 44 26 26 0

8 35 22 30 0.38 0.2 T Simultaneous sleet, freezing rain 1830-2300

**9** 38 30 33 T T T Snow flurry toward dawn

10 41 26 26 0

11 35 24 29 0.05 0.4 T Light snow after 1900 then till predawn 12th

12 36 29 33 0.21 0.9 1 Light snow dawn till aft’n; lgt rain, sleet eve

13 46 33 33 0.16 0 Light rain AM

14 37 27 28 T T 0 Flurries in area mainly to N predawn

15 35 27 33 0.58 **1.6** **1** Snow noon to 1540, brief sleet, ocnl light rain

**16** 41 33 34 **0.62** 0 Ocnl rain, fog till late aft’n, heavy ~1605

17 37 25 25 0

18 28 17 **18**

19 29 15 19

20 **26 14** 24 0.01 0.1 T Flurries PM, snow shower ~1300

21 37 23 23 0

22 42 20 29

**23** 49 26 31

24 56 26 44

25 59 33 33 0.01 Light rain 1400-1430

26 **61** 28 43 0.02 Shower between 2000 and 2030

27 58 **40** 40 0.03 Light rain predawn, ended by 1000

28 52 35 **46**

29 -- -- --

30 -- -- --

31 -- -- --

SUM 1171 733 2.48 3.6 2

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 34.0 (+0.1)

Average Maximum Temperature (Dep): 41.8 (-0.7)

Average Minimum Temperature (Dep): 26.2 (+0.9)

Extreme Daily High Max Temp (Dep): 61 (-1) on 26th (record 83 on 21 Feb 2018)

Extreme Daily High Minimum Temp: 40 on 27th (record 53 on 24 Feb 2017)

Extreme Daily Low Min Temp (Dep): 14 (+5) on 20th (record -3 on 6 Feb 1996)+

Extreme Daily Low Maximum Temp: 26 on 20th (record 14 on 15 Feb 2015)

Heating Degree Days (Season): 861 (3625)

Cooling Degree Days (Season): 0 (0)

+ Most recent of more than one occurrence

-- more --

Total Monthly Precipitation (Dep): 2.48 (-0.73)

Total Annual Pcpn through Month: 3.57 (-3.46)

Greatest Calendar Day Pcpn: 0.62 on 16th (record 2.81 13 Feb 2008)

Greatest Floating 24-Hour Pcpn: 0.93 on 15th-16th (rec 3.25 12-13 Feb 2008)

Total Monthly Snowfall (Dep): 3.6 (-5.2)

Total Season Snowfall (Dep): 14.9 (-8.2)

Greatest Calendar Day Snowfall: 1.6 on 15th (record 26.0 on 11 Feb 1983)

Greatest Floating 24-Hour Snowfl: 1.6 on 15th-15th (rec 26.0 on 11-11 Feb 1983)

Maximum Depth of Snow/Ice: 1 on 15th

Days with Hail: 0

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

Highest Wind Gust (MPH): 34 on 17th

Maximum Barometric Pressure: 30.63 on 14th

Minimum Barometric Pressure: 29.04 on 16th

HIGHLIGHTS

February 2025 at Reading 4 SW was a rather mundane weather month with no unusually warm or cold temperatures nor heavy falls of rain or snow. Seasonably chilly temperatures dominated the first 17 days before harsh cold invaded from the 18th through 20th which featured daily lows in the mid-teens and highs in the 20s and keyed by the month’s lowest of 14 on 20th and the coldest daily high of 26 the same day. A modest negative departure from normal in temperature had accrued by the 22nd. Then the final six days brought substantial moderation which offset the earlier deficiency and resulted in a final average of 34.0 (+0.1) which is almost exactly the 1991-2020 30-year average. The final five days warmed to at least 50 degrees, keyed by 61 on the 26th, and the warmest low of 40 on the 27th. For the whole month, four days had low temperatures below 20, and four highs were at or below 32. Last February (2024) was much milder with average of 38.4 degrees and highest/lowest of 65/19. Officially for Reading PA (RDG), the average finished at 33.7 and contained extremes of 14 on two days and 59 on three days.

February 2024 contained several days with light to moderate precipitation which totaled 2.48” (-0.73) and was keyed by 0.93” within 24 hours spanning the 15th-16th which included the melt of the greatest snow/sleet accumulation of 1.6”, nearly half the whole month total snow/sleet of 3.6” (-5.2). Four of five of the other systems that contained some snow also contained sleet or freezing rain as the snow/mix or snow/rain line shifted northward across the region. Only on the 20th was it all snow, and only a very small amount of 0.1”. Sleet was observed on six different calendar days, and freezing rain on two. These “wintry mix” types were nearly entirely absent the previous two winters. The few small accumulations of snow/ice melted rather quickly from most grounds but were stubborn on grounds subject to low sun and wind exposure. Sea level barometric pressures (SLP) fell precipitously from 30.63 in\*hg on the 14th to 29.04 early on the 16th. Some minor wind damage was observed in the area early on the 17th as the SLP was rebounding rapidly. Peak gust of 34 mph at Reading 4 SW was belittled by 56 mph at RDG at about the same time. February 2024 precipitation totaled slightly less at 2.39” which included the melt of 8.5” of snow. February precipitation in Berks County totaled mainly within 2.3 and 2.7 inches with total snow accumulations close to 4 inches throughout including 2.32” and 3.6” officially for RDG. NWS has designated Reading 4 SW snow observations as official for the Reading PA area.

RANKINGS AND EXTREMES FOR THIS MONTH (FEBRUARY)

Avg Temp 34.0 – 18th coolest of 41 (22.4 in 2015 to 41.7 in 2017)

Precip 2.48 – 15th driest of 43 (0.67 in 2009+ to 7.22 in 2008)

Snowfall 3.6 – 16th (2-way) least of 43 (T in 2020+ to 43.5 in 2010)

Statistical (meteorological) winter (months DJF) 2024-25 ended modestly colder than average at 32.5 (-1.4), which was drawn down by a January average of only 28.3 (-3.3) that was bolstered by severe cold of 20-25 January and keyed by a frigid -4°F on 22 January. Mild days were quite few but included highs of 65 on 29 December and 61 on 26 February. Thirteen days were entirely freezing. After high-end normal December precipitation of 4.43”, January and February were quite deficient with 1.09 and 2.48” respectively to produce a DJF sum of exactly 8.00” (-3.25). The greatest day amount by far was 1.71” on 11 December. January still produced high-end normal snowfall of 9.7” which became a majority of the DJF sum of 14.9” (-7.7). The greatest one-day snowfall by far was 6.1” on 19 January.