**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 2024**

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

 TEMPERATURES

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

 1 48 28 42 T Light rain began toward midnight

 2 47 39 39 0.10 Light rain AM, mostly wee hours

 3 48 31 31

 **4** 51 26 27

 5 48 25 29

 6 44 24 26

 7 50 22 29

 8 56 28 41

 9 58 37 40

10 60 35 46

**11** 49 **41** 43

12 51 33 43 0.02 Light rain late evening

13 43 33 36 **1.20 5.8** 3 Rain > slush before dawn; wet snow till 1030

14 40 26 27 T T 2 Snow flurry in area predawn

15 40 **19** 37 T 2

16 43 33 33 0.02 0.2 1 Wet snow late evening

17 **37** 22 **22** 0.18 2.5 2 Snow till 0930; pavements mostly only wet

**18** 43 22 33 1

19 44 25 25 T Snow cover mostly grounds of low sun exposure

20 44 **19** 28 T Slightly less hard patchy snow cover

21 47 20 31 T Stubborn patches only always shaded grounds

22 48 27 40 0.12 T Light rain PM; patches hard snow almost gone

23 49 35 36 T 0 Drizzle till shortly past midnight

24 42 27 27 0.02 Light rain early morning

**25** 44 **19** 35

26 60 29 37

27 **65** 35 **55** 0.24 Rain mid PM, little drizzle evening

28 60 38 38 0.49 Mostly light rain, embedded brief mod showers…

29 43 30 30 …till early night; TSTM nearby NW 0800 hr

30 -- -- --

31 -- -- --

SUM 1401 828 2.39 8.5 6

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 38.4 (+4.5)

Average Maximum Temperature (Dep): 48.3 (+5.8)

Average Minimum Temperature (Dep): 28.6 (+3.3)

Extreme Daily High Max Temp (Dep): 65 (+3) on 27th (record 83 on 21 Feb 2018)

Extreme Daily High Minimum Temp: 41 on 11th (record 53 on 24 Feb 2017)

Extreme Daily Low Min Temp (Dep): 19 (+9) on 15,20,25(record -3 on 6 Feb 1996)+

Extreme Daily Low Maximum Temp: 37 on 17th (record 14 on 15 Feb 2015)

Heating Degree Days (Season): 763 (3353)

Cooling Degree Days (Season): 0 (0)

+ Most recent of more than one occurrence

 -- more --

Total Monthly Precipitation (Dep): 2.39 (-0.82)

Total Annual Pcpn through Month: 8.82 (+1.79)

Greatest Calendar Day Pcpn: 1.20 on 13th (record 2.81 13 Feb 2008)

Greatest Floating 24-Hour Pcpn: 1.22 on 12th-13th (rec 3.25 12-13 Feb 2008)

Total Monthly Snowfall (Dep): 8.5 (-0.3)

Total Season Snowfall (Dep): 17.8 (-5.3)

Greatest Calendar Day Snowfall: 5.8 on 13th (record 26.0 on 11 Feb 1983)

Greatest Floating 24-Hour Snowfl: 5.8 on 13th-13th (rec 26.0 on 11-11 Feb 1983)

Maximum Depth of Snow/Ice: 6 on 13th

Days with Hail: 0

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

Highest Wind Gust (MPH): 46 on 28th

Maximum Barometric Pressure: 30.50 on 20th

Minimum Barometric Pressure: 29.46 on 23rd

HIGHLIGHTS

February 2024 averaged warmer than normal at 38.4 degrees (+4.5) but well below last February’s (2023) average of 40.5. While mildness dominated, no record for warmth was threatened. The warmest was 65 on the 27th. However, typical harsh February cold was nearly absent, the lowest being 19 on 15th, 20th and 25th. This tied with 1998 and 2017 for the warmest February low temperature. And no day remained entirely freezing. Only Februaries 1998, 2002, 2018, and 2020 also had none. Last February had one. The daily high of 37 on the 17th tied 1998 for the coolest daily high during February and also the only high below 40. Also, 19 days had freezing lows. Four Februaries had less, least 12 in 1998. The mildest daily low of 41 is not unusual. Officially for Reading PA (RDG), the average of 38.1 included extremes of 19/65 and 20 days with freezing temperatures.

February 2024 contained rather few inclement weather days and some rather long stretches of fair weather. This pattern favored the average of the daily high temperatures to be more anomalous (+5.8) than the average of the daily lows (+3.3). Precipitation totaled 2.39” (-0.82), and was keyed by 1.22 in 12 hours ending 1100 of the 13th. Last February was even less at 1.44 with only 0.3” of snow. Snowfall was near to above normal in Berks County despite dominant mildness and few inclement weather systems as much precipitation fell during some of the colder days, keyed by 5.8” of slush morning of the 13th and soon followed by 2.7” of low-density but still wet snow morning of the 17th. Areas of Berks County north of Reading received 12 to 18 inches total due mostly to a narrow swath in which snowfall rates of 3 to 5 inches per hour occurred predawn of the 17th. No more than feeble flurries occurred outside those two events, plus sleet and glaze ice were entirely absent. Total precipitation, including the melt of snow, in Berks County ranged mainly between 2 and 3 inches and included 2.09” at RDG. Reading 4 SW, a normally wind-sheltered location, clocked a gust of 46 mph at 2049 of the 28th shortly after a strong cold front passage. A gust of 53 mph at RDG occurred about the same time. Damage was very minor.

RANKINGS AND EXTREMES FOR THIS MONTH (FEBRUARY)

Avg Temp 38.4 – 9th warmest of 40 (22.4 in 2015 to 41.7 in 2017)

Precip 2.39 – 13th driest of 42 (0.67 in 2009+ to 7.22 in 2008)

Snowfall 8.5 – 18th most of 42 (T in 2020+ to 43.5 in 2010)

Statistical (meteorological) winter (months DJF) 2023-24 ended much warmer than average at 38.1 (+4.2), but short of last winter’s record warmest of 38.9. Harshly cold weather was limited to several days in mid-January when the lowest of 9 occurred on the 17th, and five days were entirely freezing, the only such all winter. The warmest of 65 occurred on 27 February. Total precipitation of 17.57” (+6.32) was keyed by 8.15 during December, including 3.48 within 24 hours that spanned the 17th-18th. After only 0.6” of snow during December, January and February brought nearly equal average amounts of 8.6 and 8.5 respectively.