**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 2020**

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

 TEMPERATURES

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

 1 42 31 38 0.04 Light rain late aft, early eve; fog daybreak

 **2** 42 35 37 0.01 T Light rain, slush at times afternoon

 3 **61** 31 40

 4 **61** 40 **50** 0.05 Light rain before noon, evening

 5 51 35 35 0.07 Light rain predawn; rain late evening

 6 43 35 43 0.31 Drizzle and periods of rain

 7 55 33 33 0.47 T Squall 0924-0928; o/w rain/drizzle, flurries

 8 43 29 31 T T Feeble flakes early daylight

 **9** 43 27 42

10 45 40 44 0.42 Periods of rain and drizzle

11 50 42 42 0.24 Light rain AM; Few sprinkles afternoon

12 46 34 38 0.18 Rain after dusk

13 47 38 39 0.37 Rain, drizzle into early afternoon

14 39 18 **18**

15 **33** **13** 27

**16** 45 27 36

17 53 29 34

18 55 34 47 0.02 Light rain late aft; o/w ocnl sprinkles PM

19 49 33 34

20 36 25 25

21 37 18 29

22 53 21 29

**23** 57 22 38

24 **61** 27 46

25 49 44 47 0.04 Light rain/drizzle after 0800

26 51 **45** 45 0.10 Intermittent drizzle; rain toward midnight

27 46 30 31 **0.50** T Rain, some heavy, before dawn; flurry ~2100

28 42 27 30

29 35 26 27 T T Feeble flurries at times midday, afternoon

30 -- -- --

31 -- -- --

SUM 1370 889 2.82 T 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 38.9 (+5.4)

Average Maximum Temperature (Dep): 47.2 (+5.0)

Average Minimum Temperature (Dep): 30.7 (+5.9)

Extreme Daily High Max Temp (Dep): 61 (-1) on 3 days (record 83 on 21 Feb 2018)

Extreme Daily High Minimum Temp: 45 on 26th (record 53 on 24 Feb 2017)

Extreme Daily Low Min Temp (Dep): 13 (+3) on 15th (record -3 on 0 Feb 1996)+

Extreme Daily Low Maximum Temp: 33 on 15th (record 14 on 15 Feb 2015)

Heating Degree Days (Season): 749 (3455)

Cooling Degree Days (Season): 0 (0)

+ Most recent of more than one occurrence

 -- more --

Total Monthly Precipitation (Dep): 2.82 (-0.41)

Total Annual Pcpn through Month: 6.19 (-0.75)

Greatest Calendar Day Pcpn: 0.50 on 27th (record 2.81 13 Feb 2008)

Greatest Floating 24-Hour Pcpn: 0.65 on 6th-7th (rec 3.25 12-13 Feb 2008)

Total Monthly Snowfall (Dep): T (-9.7)

Total Season Snowfall (Dep): 3.6 (-20.6)

Greatest Calendar Day Snowfall: T on 4 days (record 26.0 on 11 Feb 1983)

Greatest Floating 24-Hour Snowfl: T on 7th-8th (rec 26.0 on 11-11 Feb 1983)

Maximum Depth of Snow/Ice: 0

Days with Hail: 0

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

Highest Wind Gust (MPH): 32 on 27th

Maximum Barometric Pressure: 30.69 on 16th

Minimum Barometric Pressure: 28.84 on 7th (lowest since Superstorm Sandy)

HIGHLIGHTS

February 2020 was another mild winter month at Reading 4 SW with an average temperature of 38.9 (+5.4), about the same as January’s anomaly (+5.3), and fourth warmest of 36, well below the warmest of 41.7 from 2017. Even more remarkable was the lack of measurable snow and no glaze ice. Slightly subnormal precipitation of 2.82 (-0.41) was all rain except for a few snow traces, leaving grounds entirely bare of snow and ice throughout the month.

Temperatures were mildest the first 13 days, during which nine days failed to cool to freezing, and two days (3rd and 4th) warmed above 60 (both 61.4). The weather then turned cold-hearted for Valentine’s Day, which set up the coldest of the month and winter, 13 early on the 15th. And the 15th was the only day when it almost failed to climb above freezing. Mildness soon returned, though not as consistently as before. Four more days stayed above freezing; one day chilled below 20; and one warmed to a short 61. Leap Day was chilly and prevented an even higher average temperature had this been a 28-day February. Though mildness dominated, unusual warmth was lacking. Officially for Reading (RDG), the average of 38.3 tied 2012 and 2018 for seventh (eighth and ninth) warmest of 123. A year ago, February 2019 was mostly mild with a warmest of 67. However, a first-of-month severe cold wave with coldest of 1 above, checked the average at 34.9 at Reading 4 SW.

Precipitation was common early with some on eleven of the first thirteen days; however, all of the dailies were rather small amounting to only 2.16 combined. Precipitation was less frequent afterward, adding 0.66 more. Most importantly, measurable precipitation and cold air were mutually exclusive, resulting in no glaze ice and no measurable snow. Only traces of snow in February occurred also in 1998. February 2019 was slightly wetter than average at 3.48 and included the melt of 6.7 of snow. In Berks County, February precipitation ranged rather narrowly from 2.2 to 3.8, including 2.30 at RDG, with at most a slight coating of snow. And the greatest totals occurred over the northeastern townships.

RANKINGS AND EXTREMES FOR THIS MONTH (FEBRUARY)

Avg Temp 38.9 – 4th warmest of 36 (22.4 in 2015 to 41.7 in 2017)

Precip 2.82 – 18th driest of 38 (0.67 in 2009+ to 7.22 in 2008)

Snowfall T – Least (2-way) of 38 # tied (T in 1998# to 43.5 in 2010)

Statistical (meteorological) winter (calendar months DJF) 2019-20 turned out much warmer than average at 37.3 (+3.8) with near normal precipitation at exactly 11.00 (-0.16) but with very low snowfall of 3.6 (-20.0). Temperatures varied mainly between moderately cold and mild with no severe cold and modest extremes of temperature from 13 on 15 February to 66 on 11 and 12 January.