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

**June 2021**

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

 TEMPERATURES

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

 1 78 51 64

 2 78 60 64

 3 78 62 67 0.70 T-shower late aft, then few showers eve

 4 82 65 65 0.39 Forenoon shower S (0.01); mid aft TSTM

 5 93 61 78

 **6** 94 66 79

 7 95 71 80

 8 91 71 71 **0.98** TSTMs in area most of aft; heaviest ~1310

 9 90 69 72 0.03 TSTMs in area early afternoon to sunset

10 86 67 67

11 **68** 58 58 0.36 Periods of rain/drizzle after dawn

12 78 58 66

**13** 77 64 68 TSTM to N at midnight dissipated

14 87 64 64 0.13 Evening showers, little thunder, toward dusk

15 79 60 64

16 78 56 58

17 79 50 56

18 87 51 70 0.09 T-shower toward midnight EST, ended 0001/19

19 89 67 67 0.11 Few showers, fog late evening

**20** 90 62 78 Fog early AM; faint thunder NW after dusk

21 91 71 71 0.08 TSTM in vicinity early evening

22 72 52 **52** 0.18 Light rain midday

23 77 **47** 56

24 81 51 60

25 83 52 68

26 86 67 76 T Few drops mid afternoon

**27** 92 72 76

28 96 **75** 79

29 97 **75** **81**

30 **99** 72 72 0.32 Thundershowers pre-dusk evening

31 -- -- --

SUM 2551 1867 3.37 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 73.6 (+1.7)

Average Maximum Temperature (Dep): 85.0 (+2.5)

Average Minimum Temperature (Dep): 62.2 (+0.8)

Extreme Daily High Max Temp (Dep): 99 (+5) on 30th (record 100 on 15 Jun 1988)

Extreme Daily High Minimum Temp: 75 on 28th,29th (record 77 on 28 Jun 1999)

Extreme Daily Low Min Temp (Dep): 47 (-0) on 23rd (record 38 on 03 Jun 1986)

Extreme Daily Low Maximum Temp: 68 on 11th (record 59 on 02 Jun 2015)+

Heating Degree Days (Season): 8 (4615)

Cooling Degree Days (Season): 273 (367)

+ Most recent of more than one occurrence

 -- more --

Total Monthly Precipitation (Dep): 3.37 (-1.94)

Total Annual Pcpn through Month: 20.32 (-4.74)

Greatest Calendar Day Pcpn: 0.98 on 8th (record 3.64 on 19 Jun 2019)

Greatest Floating 24-Hour Pcpn: 1.09 on 3rd-4th (rec 4.87 on 19-20 Jun 2019)

Total Monthly Snowfall (Dep): 0.0 (-0.0)

Total Season Snowfall (Dep): 42.8 (+14.5)

Greatest Calendar Day Snowfall: 0.0 on (record 0.0 on 00 Jun 0000)

Greatest Floating 24-Hour Snowfl: 0.0 on (rec 0.0 on 00-00 Jun 0000)

Maximum Depth of Snow/Ice: 0 on

Days with Hail: 0

Days with Thunder (Dep): 11 (+4)

Highest Wind Gust (MPH): 20 on 21st

Maximum Barometric Pressure: 30.38 on 24th

Minimum Barometric Pressure: 29.55 on 21st

HIGHLIGHTS

The ending impression of a month is often long-lasting. June 30 was hot with a high temperature of 99, which was the hottest at Reading 4 SW since 99 on 23 July 2016, and marked the eleventh day this June to heat to at least 90 (old record 10 from 1987) and the fourth of a streak of four, including three above 95. By then, the cool snap of the 22nd to 24th, which contained the month’s low of 47, might have been forgotten. At month beginning, temperatures rebounded quickly from the late-May chill. A streak of five 90s (max 95) from 5th to 9th inclusive was key to building a substantial temperature excess by the 10th. The next 14 days contained the other two 90s despite a cool majority which was enough to offset almost all the excess. The late-month heat boosted the final average to 73.6 (+1.7). Officially for Reading (RDG), the average was slightly warmer at 73.9 and included also a high of 99 on the 30th, which edged the official date record high of 98 from 1964, and was the last of ten hot (90-days). June 1943 contained 14 hot days. At Reading 4 SW, June 2020 averaged 72.8 with extremes of 44/92.

Rainfall amounted to 3.37”, substantially below the 1991-2020 average of 5.31”. This rainfall deficiency belied the eleven different days in which thunder was observed. Areal downpours were numerous but were largely brief or totally missed at Reading 4 SW. One substantial thunderstorm downpour hit early afternoon of the 8th, during which nearly ¾ inch of rain fell within 15 minutes, the majority of the 0.98 for that day. A long dry spell from the 23rd through most of the 30th with the resulting dry grounds and stressed plants likely was a factor in the upper 90s heat observed the last three days. Every month this year, save February, featured a long dry spell and a deficient monthly total, resulting in a yearly deficiency through June of 4.74 inches. June total rainfalls varied widely in Berks County depending on the number of and duration of thunderstorm downpours, and ranged upward to 8.13 at Hamburg. The 2.03 total at RDG was one of the least. Most places fell between 2.5 and 4.5 inches. June 2020 was slightly wetter at 3.68, which included a greatest 24 hour amount of 1.24.

RANKINGS AND EXTREMES FOR THIS MONTH (JUNE)

Avg Temp 73.6 – 4th (3-way) warmest of 38 (68.3 in 2003 to 75.2 in 2010)

Precip 3.37 – 13th driest of 39 (1.15 in 1986 to 9.73 in 2007)

Snowfall 0.0 – Snow was never observed here during June.

The snow and heating years ended 30 June. Major nor’easters on 16-17 Dec (8.7”) and 31 Jan to 2 Feb (18.6”) contributed 27.3” of the 42.8” (+14.5) season total. Nearly all the remainder fell during February. Heating Degree Days (HDD) totaled 4615 (normal 4957) and was similar to the previous season’s 4650. Jan (945) and Feb (906) were the greatest contributors. The count began with 8 on 15 Sept which is typical, but ended quite late with 3 on both 22 and 23 June.