**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 2020**

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

 TEMPERATURES

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

 1 74 **44** **54**

 2 **72** 51 60 T Few drops at times (stg)

 3 86 60 66 **1.24** sm. hail TSTMs: predawn (wk); forenoon (sev); 1700 hr ^

 4 89 61 67 0.44 TSTMs in vicinity after 1700; mainly light rain

 5 81 67 70 0.37 Showers before 0700; gentle rain evening

 6 89 68 68 T Few drops at 1214

 **7** 80 58 60

 8 81 52 61

 9 90 56 74

10 **92** 69 **77** 0.17 TSTM in area after dusk

11 86 68 68 0.52 Showers till 0700

12 85 59 66

13 75 57 59

**14** 76 52 60

15 79 52 59

16 81 52 61

17 82 56 68 T Sprinkles around 1800 near sunset

18 82 66 70 0.04 Light rain, drizzle daybreak-midday; sprinkle ^

19 84 65 68 0.08 TSTM in vicinity late afternoon

20 87 63 67 0.57 Mid-afternoon thundershower

**21** 88 67 74 Brief early morning fog

22 91 67 71

23 90 67 74 0.06 Showers in vicinity eve; distant T toward…

24 85 69 71 T …midnight, ended few minutes into new day

25 86 62 68 0.04 Light showers 1630-1720

26 87 61 67 T Sprinkles mid-afternoon

27 89 65 75 0.15 Shower around 0600

**28** 91 **70** 70 Cb N-NE-SE early eve, faint thunder

29 90 68 71

30 85 65 69 T Few drops at times

31 -- -- --

SUM 2533 1837 3.68 0.0 0

MONTHLY STATISTICS

Average Monthly Temperature (Dep): 72.8 (+1.2)

Average Maximum Temperature (Dep): 84.4 (+1.9)

Average Minimum Temperature (Dep): 61.2 (+0.5)

Extreme Daily High Max Temp (Dep): 92 (-2) on 10th (record 100 on 15 Jun 1988)

Extreme Daily High Minimum Temp: 70 on 28th (record 77 on 28 Jun 1999)

Extreme Daily Low Min Temp (Dep): 44 (-3) on 1st (record 39 on 03 Jun 1996)

Extreme Daily Low Maximum Temp: 72 on 2nd (record 59 on 02 Jun 2015)+

Heating Degree Days (Season): 10 (4650)

Cooling Degree Days (Season): 250 (321)

+ Most recent of more than one occurrence

 -- more --

Total Monthly Precipitation (Dep): 3.68 (-1.13)

Total Annual Pcpn through Month: 23.69 (-0.88)

Greatest Calendar Day Pcpn: 1.24 on 3rd (record 3.64 19 Jun 2019)

Greatest Floating 24-Hour Pcpn: 1.24 on 3rd-3rd (rec 4.87 19-20 Jun 2019)

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

Total Season Snowfall (Dep): 3.6 (-25.9)

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: 1

Days with Thunder (Dep): 7 (+1)

Highest Wind Gust (MPH): 32 on 3rd

Maximum Barometric Pressure: 30.42 on 15th

Minimum Barometric Pressure: 29.63 on 3rd, 24th

HIGHLIGHTS

June 2020 began quite cool with a near record low of 44 on the 1st. The unusual coolness was to last only a half day as the temperature rebounded to 74 the same day. Additional coolness that occurred occasionally till the midpoint would not be considered unusual, as there were no more lows below 50 and no day that failed to warm to at least 70. Summery warmth, which was occasional during the first half, had gained full control for the second half. While no severe heat, six days heated to at least 90, including a max of 92 on the 10th. The brevity of coolness and the convincing transition to sustained summery warmth resulted in a moderately warmer than normal June average of 72.8. Officially for Reading (RDG), the average was a similar 72.5 with extremes of 44/93. Last June (2019) averaged a low-end normal 71.3 with extremes of 47/92.

Rainfall was front-end loaded, the result of a few thunderstorm downpours, which collectively brought 2.05 by the 5th, and was keyed by three storms on the 3rd. The middle of these, which raced through during forenoon, was ruled a derecho (pronounced: duh-RAY-show) by the NWS. While wind damage was minimal within a mile of Reading 4 SW (only 32 mph), it was severe in Muhlenberg Township, Bern Twp. (where RDG is sited), City of Reading, and areas southeastward all the way to the New Jersey shores. The RDG ASOS clocked a gust of 83 mph before getting KO’d for a few days. Numerous scattered downpours which prowled Berks County the remaining 25 days of June were nearly all miss at Reading 4 SW and RDG, resulting in only 1.63 additional rainfall. Several thunderstorms were close enough to be heard (mostly to W or NW) but did not hit directly. The hit/miss character of downpours resulted in a large range of monthly rainfalls from 2 to 8.5 inches within Berks County, greatest western townships and especially the western tip. RDG had only 2.37. June 2019 was very rainy with 9.30 at Reading 4 SW.

RANKINGS AND EXTREMES FOR THIS MONTH (JUNE)

Avg Temp 72.8 – 10th warmest of 37 (68.3 in 2003 to 75.2 in 2010)

Precip 3.68 – 15th driest of 38 (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. Total snowfall ended at a record low 3.6 (3.9 at RDG), well under the previous low of 6.0 from 1972-73, despite unusually both early (8 Nov) and late (9 May) occurrences of flakes in vicinity. The greatest single snowfall was 1.5 on 18 January. Only four days, all in January, had half-inch or greater snow cover. Only 4650 HDD (normal 4971 based on 65) accrued with November (716) and May (197) contributing the most with respect to normal. December (884) contributed slightly more than January (865). First HDD occurrence was 3 on 6 September, and the last was 1 on 14 June.